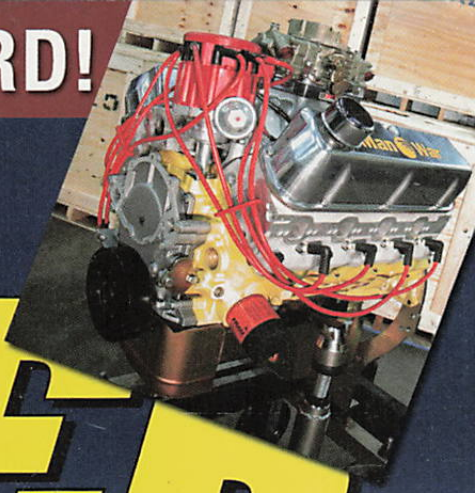
FOUNDRY FRESH

575HP SMALL-BLOCK FORD!



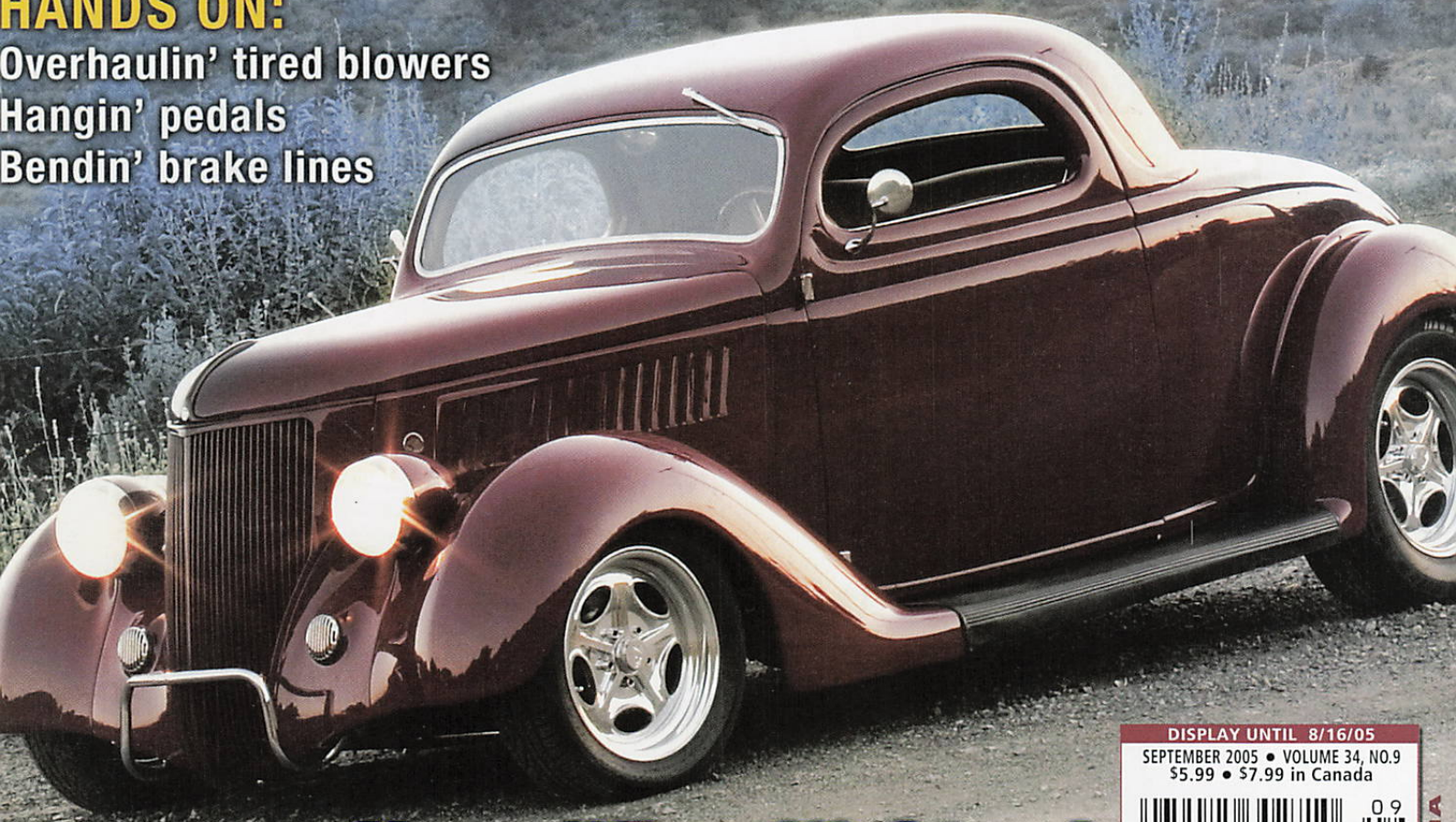
STREET RODDER®

THE WORLD'S STREET RODDING AUTHORITY

10th ANNIVERSARY ROAD TOUR
Coupe Hits the Road

EASY IMPROVEMENTS:
Modern trunk latches & lifts
'40 Ford deco gauge panel

HANDS ON:
Overhaulin' tired blowers
Hangin' pedals
Bendin' brake lines



New "Ford" Steel
'32 Coupe & '33-34 Roadster Pickup

DISPLAY UNTIL 8/16/05
SEPTEMBER 2005 • VOLUME 34, NO.9
$5.99 • $7.99 in Canada
09
0 79025 30271 0
PRIMEDIA
www.streetrodderweb.com

BilletSpecialties™

NOW AVAILABLE!
The all new 2005 Billet Specialties Full Line Catalog. Over 80 pages of billet wheels & accessories. With over 50 NEW! products it's our biggest catalog yet! **$5.00**

Call Toll Free 866.317.5935
VISA DISCOVER

or order online at www.billetspecialties.com

Half-Wrap Steering Wheels
Steering Wheel Packages start at $360.00

Over 25 designs to choose from. See them all online at www.billetspecialties.com

Oval Air Cleaners

Styles Include:
Plain
Ball Milled
Cross Flags
Flame
Heartbeat

Small Oval $114.95 Large Oval $124.95

Round Air Cleaners

Ball Milled or Plain

6-3/8" Round	**$69.95**
10" Round	**$99.95**
14" Round	**$149.95**

6-3/8" Includes K&N Filter

Ribbed Air Cleaners
Machined Fins sit above the mirror-like polished top.

Small Oval $139.95
Large Oval $149.95
Dual Quad $274.95

Small Block Valve Covers

Styles Include: Plain
Ball Milled
Bowtie
Chevy Power
Chevrolet®
Heartbeat
Cross Flags
Flame

Short or Tall starting at $99.95

Big Block Valve Covers

Styles Include: Plain
Ball Milled
Cross Flags
Chevy Power
Heartbeat
Flame

Short or Tall starting at $159.95

Ribbed Valve Covers
For Chevy™ Small Block
NEW LOWER PRICE $199.95

Thermostat Housings
Dual o-ring seal eliminates gaskets, swivels for proper hose angle. Mounting hardware included.

Straight-Up	**$34.95**
0-Degree	**$69.95**
15-Degree	**$69.95**
45-Degree	**$69.95**

Radiator Caps
Includes high quality 16lb. Stant® radiator cap. **$19.95**

Styles Include:
Plain* V8*
Circle Heartbeat
Bowtie* Flame
*Available w/ 7lb. cap

Fuel Filters
Available with -6AN fittings or hose bard ends. Smooth or Ribbed styles. Mounting bracket sold separately.

Fuel Filters $34.95
Mounting Bracket $14.95

Breathers / PCV Breathers
2pc. design features replaceable PCV valve or washable breather element.

Starting at $29.95
Styles Include:
Plain Heartbeat
Bowtie Cross Flags
Flame Ball Milled

Power Steering Reservoir
Our remote power steering reservoirs feature a double o-ring breathable cap and internal return tube for foam free operation. Sleek mounting bracket hides mounting hardware; -6 & -10 AN fittings pre-installed and a 15oz. capacity.

Smooth or Ribbed $134.95

Alternator Pulleys
1pc. v-groove alternator pulleys CNC machined polished finish.

Alt Pulley $24.95
Alt Pulley w/ fan $49.95

Water Pump Pulleys

For big or small block Chevy™ motors with long or short water pumps. Specifiy application when ordering.

Water Pump Pulleys from $69.95
Optional Nose Cone $15.95

Crank Pulleys

For big or small block Chevy™ motors with long or short water pumps. Specifiy application when ordering.

Crank Pulleys from $59.95

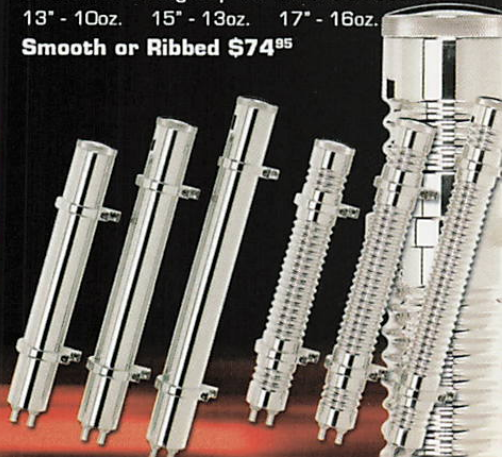
Compressor Covers

Polished billet compressor cover for Sanden 508 or SD-7 compressors.

508
Compressor Covers $39.95
SD-7*

*Not for use with Sanden 7186 heavy-duty compressor.

Overflow Tanks
Includes two adjustable billet mounting bracket & knurled o-ring cap for a no-leak seal.
13" - 10oz. 15" - 13oz. 17" - 16oz.
Smooth or Ribbed $74.95



NEW!

Serpentine Conversion Kits

superior serpentine conversion kit that delivers the highest quality, best finish olished & clear powder coated), best hardware with superior engineering at better price than any other brand on the market. The serpentine conversion s for small & big block Chevrolet® are here.

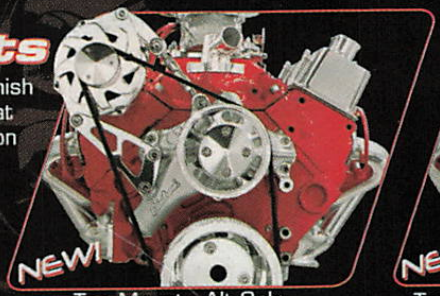
For long water pump applications with the popular GM 60 to 80 amp alternators, Saginaw power steering pumps, & Sanden 508 compressors.

Small or Big Block Kits:

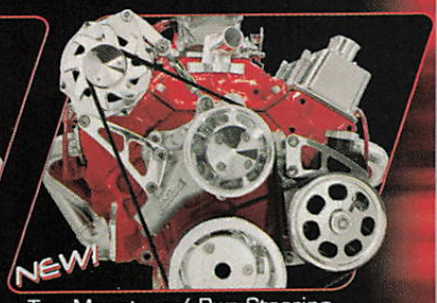
Alternator Only	**$299.95**
Alternator With Power Steering	**$499.95**
Air/Alternator with Power Steering	**$749.95**

TOP-MOUNT -
AIR/ALT W/ PWR STEERING

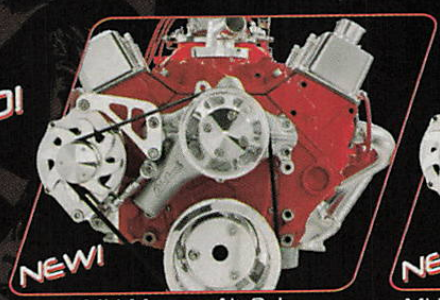
POLISHED & POWDER COATED!



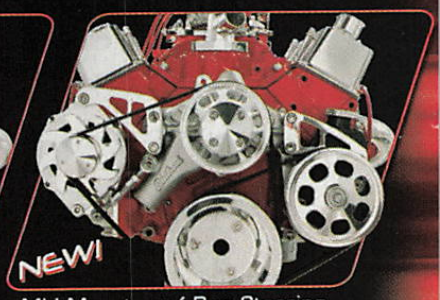
Top Mount - Alt Only



Top Mount - w/ Pwr Steering



Mid Mount - Alt Only

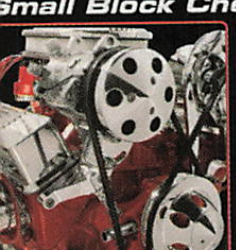


Mid Mount - w/ Pwr Steering

ndependent Mount Brackets For Chevrolet® Engines $109.95 - $129.95 each

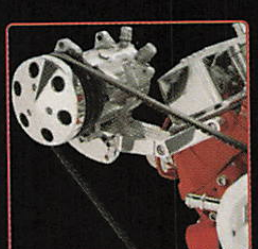
Designed for Sanden 508 compressors on the passenger side and the popular GM 60 to 80 amp alternators. Independently adjustable without tabilizer bars for a clean look. Multi-point fastening ensures stability and belt tension. Each bracket comes complete with stainless hardware nd instructions. Specify long or short water pump when ordering.

Small Block Chevy™ - V-belt

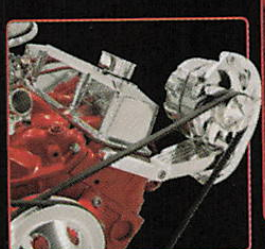


Top Mount A/C

Top Mount Alt



Side Mount A/C

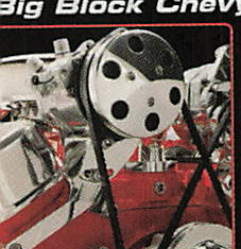


Side Mount Alt

FOR SHORT WATER PUMP APPLICATIONS

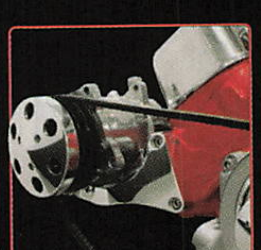
Polished & Powder Coated Low Mount Alternator Bracket $124.95

Big Block Chevy™ - V-belt



Top Mount A/C

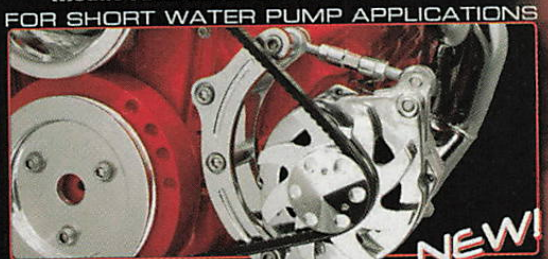
Top Mount Alt



Side Mount A/C

Side Mount Alt

FOR SHORT WATER PUMP APPLICATIONS



Polished & Powder Coated Low Mount Alternator Bracket $124.95

Tru Trac

The Ultimate Serpentine System

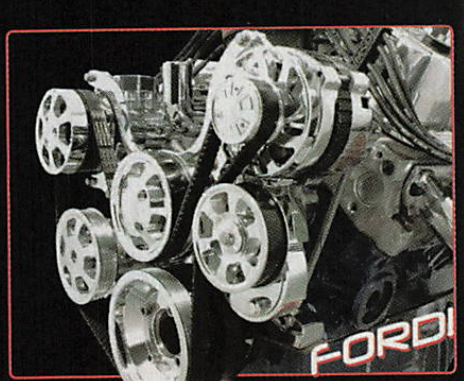
Kits Include: Polished billet aluminum pulleys & brackets. New alternator, water pump, A/C compressor, power steering pump, belt and stainless hardware. Tru Trac systems use a patent-pending tensioner engineered specifically for each Tru Trac kit.

Small Block - Chevy™

with A/C with P/S	**$2145**
with A/C without P/S	**$1795**
without A/C with P/S	**$1745**
without A/C without P/S	**$1395**

Big Block - Chevy™

with A/C with P/S	**$2245**
with A/C without P/S	**$1895**
without A/C with P/S	**$1845**
without A/C without P/S	**$1495**



Small Block - Ford

with A/C with P/S	**$2295**
with A/C without P/S	**$1945**
without A/C with P/S	**$1895**
without A/C without P/S	**$1545**

MACHINED IN THE USA

NSRA

Billet Specialties, Inc.
2004
Manufacturer of the Year

Billet Specialties, Inc. 500 Shawmut Avenue La Grange, Illinois 60526

Billet Specialties is not responsible for misprints. All prices are subject to change without notice. Prices shown do not include tax and/or shipping.

KNFILTERS.COM®

"I GOT IT FOR THE FREE STICKER"

K&N®

THE WORLD'S BEST AIR FILTER

STREET RODDER

EDITORIAL

Senior VP/Group Publisher	Doug Evans
VP/Group Publisher	Tom Vogele
Editorial Director/Editor	Brian Brennan
Group Managing Editor	Kris Hancock
Technical Editor	Ron Ceridono
Feature Editors	Chris Shelton, Jason Walker
Associate Editor	Ryan Manson
Copy Editor	Sarah Maxwell
Contributing Editors	Ron Covell, Jerry Dixey, Ken Gross, Carroll Hamilton, Jay Hardin, Barry Kluczyk, Dennis Parks, Greg Sharp, D. Brian Smith, Jay Storer, Chuck Vranas, Jerry Weesner
Contributing Photographers	Darrel Arment, Scott Killeen, Ron Kimball, Randy Lorentzen, Paul Martinez, Bob McClurg, Dale Moreau, Paul Morton, Peter Vincent
Contributing Artists	Dave Bell, Rohan Day, Darrell Mayabb, Steve Stanford, Thom Taylor, George Trosley
Online Editor	Nick Licata

ON THE WEB

www.streetrodderweb.com
www.chevyhighperformance.com
www.customrodder.com
www.gmhightechperformance.com
www.popularhotrodding.com
www.superchevy.com
www.classictrucksweb.com
www.customclassictrucks.com
www.kitcarmag.com
www.rodandcustommagazine.com

ART DIRECTION & DESIGN

Art Department Manager	Ron Huber
Art Director	Malik Ali Calimbas

SUBSCRIBER SERVICES

800/777-1849
streetrodder@palmcoastd.com
STREET RODDER
P.O. Box 420235
Palm Coast, FL 32142-0235

Occasionally, our subscriber list is made available to reputable firms offering goods and services that we believe would be of interest to our readers. If you prefer to be excluded, please send your current address label and note requesting to be excluded from these promotions to PRIMEDIA, Inc., 745 Fifth Avenue, New York, NY 10151, Attn: Privacy Coordinator

ADVERTISING INFORMATION: Call *STREET RODDER* Advertising Department at (714) 939-2400.

EDITORIAL CONTRIBUTIONS: Welcomed but editors recommend that contributors query first. Contribution must be accompanied by return postage and we assume no responsibility for loss or damage thereto. Manuscripts must be typewritten on white paper, and all photographs must be accompanied by captions. Photo model releases required on all persons in photos. STREET RODDER reserves the right to use material at its discretion, and we reserve the right to edit material to meet our requirements. Upon publication, payment will be made at our current rate, and that said payment will cover author's and contributor's rights of the contribution. Contributor's act of mailing contribution shall constitute an express warranty that the material is original and no infringement on the rights of others. Mail contributions to: STREET RODDER magazine, 774 S. Placentia Ave., Placentia, CA 92870-1864. Phone (714) 939-2400, Fax (714) 572-1864.

PRIMEDIA PUBLISHES Car Audio and Electronics, Classic Trucks, Custom Rodder, European Car, 4-Wheel Drive & Sport Utility, High Performance Pontiac, GM High Tech Performance, Hot Bike, Import Tuner, Lowrider, Lowrider Arte, Mini Truckin', Muscle Mustangs & Fast Fords, Off-Road, Popular Hot Rodding, SG, Sport Compact Car, Street Rodder, Super Chevy, Surfing, Truckin', Turbo and High-Tech Performance, Vette, and other specialty magazines.

REPRINTS. For inquiries of 100 or more, call Reprint Department at (281) 419-5725.

BACK ISSUES. Available through PRIMEDIA, Inc., Back Issues Dept., Phone (866) 601-5199 or e-mail back issues: mailorder@primedia.com. Please specify what magazine, year, and issue(s) you need. If this is not specified, your check/money order along with your request will be returned to you. Allow 6-8 weeks for delivery.

Contents copyright ©2005 and all rights reserved by PRIMEDIA. This magazine is purchased by the buyer with the understanding that the information presented is from various sources from which there can be no warranty or responsibility by PRIMEDIA, or the publisher as to legality, completeness and accuracy.

PRINTED IN THE U.S.A.

PRIMEDIA

Audit Bureau of Circulations

BilletSpecialties™

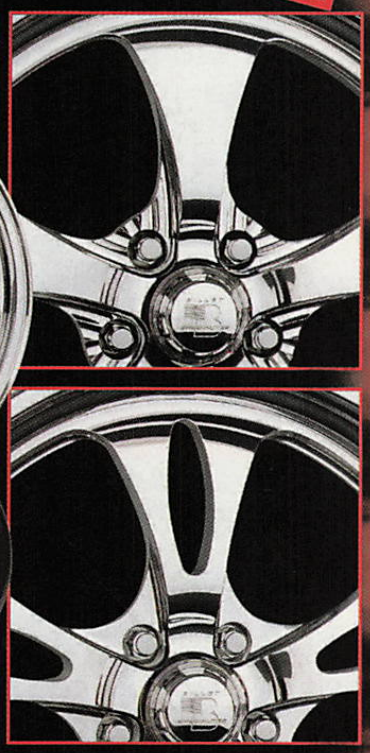
NOW AVAILABLE!

The all new 2005 Billet Specialties Full Line Catalog. Over 80 pages of billet wheels & accessories. With over 50 new products it's our biggest catalog yet! **$5.00**

Order your catalog online at www.billetspecialties.com

STREET SMART LINE

Our new Street Smart Line is designed to deliver big style and quality at a small price. These wheels feature true 2-piece welded construction, forged billet aluminum centers and caps with spun aluminum outer rims. Best of all, we stock most popular fitments for immediate shipment.



Street Smart Line
15" From $895/set
16" From $950/set
17" From $995/set
18" From $1395/set
20" From $1595/set

Steering Wheel Packages From $360.00
Over 25 styles available, see them all online at www.billetspecialties.com

For Fast Delivery . . .
Call Toll Free 866.317.5935

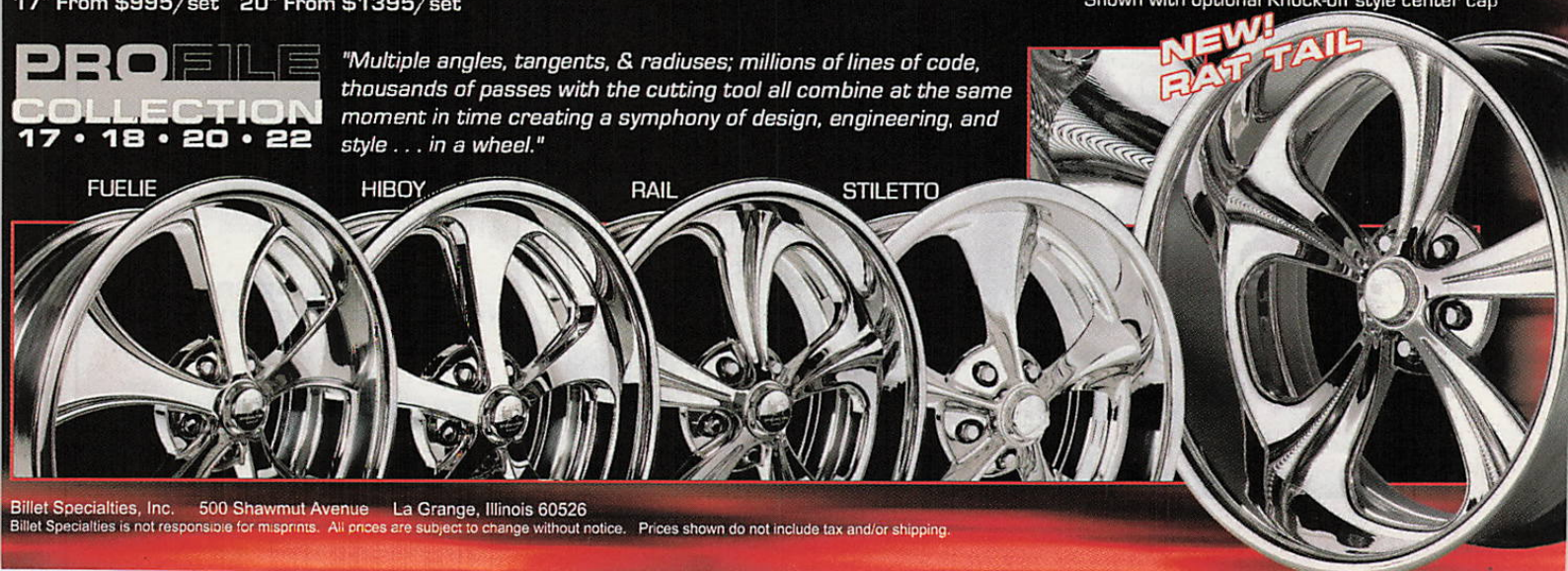
Vintec
15" From $795/set
16" From $895/set 18" From $1295/set
17" From $995/set 20" From $1395/set

Vintec Dish
15" From $995/set 18" From $1495/set
17" From $1195/set 20" From $1595/set

SL Vintec Dish*
17" From $1395/set 20" From $1995/set
18" From $1895/set 22" From $3185/set
*Shown with optional Knock-off style center cap

PROFILE COLLECTION
17 • 18 • 20 • 22

"Multiple angles, tangents, & radiuses; millions of lines of code, thousands of passes with the cutting tool all combine at the same moment in time creating a symphony of design, engineering, and style . . . in a wheel."



Billet Specialties, Inc. 500 Shawmut Avenue La Grange, Illinois 60526
Billet Specialties is not responsible for misprints. All prices are subject to change without notice. Prices shown do not include tax and/or shipping.

B&M Invented Automatic Transmission Performance...

And We Have The Complete Package!

HoleShot™ Series Torque Converters

- The most advanced street/strip converters you can buy!

Trick Shift™ Performance Automatic Transmission Fluid

- Drastically improves shift feel & improves transmission life!

SuperCooler™ Automatic Transmission Cooler

- Rigid stacked-plate design - more efficient than standard fin & tube type coolers!

B&M
Shift Improver Kit
For Automatic Transmissions
Two Kits In One!
Stage 1 - RV/Heavy Duty • Stage 2 - Street/Strip
Recalibrate Your Transmission For Improved Performance!

Shift Improver Kit™ Automatic Transmission Kit

- Adjustable shift firmness, easily installed, improves transmission life!

Come visit us at www.bmracing.com!

B&M Racing & Performance Products 818.882.6422

STREET RODDER

ADVERTISING

Publisher	Del Austin
Associate Publisher	Brian Gingrich 714/939-2410
Advertising Sales Manager	Janeen Webb 714/939-2406
Sales Representatives	David Stoker 714/939-2569 Brandon Lillie 714/939-2566
Ad Operations Coordinator	Carrie Soto 714/939-2413

NATIONAL SALES OFFICES

New York Office	201/712-9300
Los Angeles Office	323/782-2000
Detroit Office	313/964-6680
Chicago Office	312/396-0600
Texas Office	214/904-9811
Florida Office	813/675-3500

DIRECT MARKETING GROUP

Advertising Sales Director	Michael Kirby 323/782-2712
Advertising Sales Representatives	Jason Bukolt 323/782-2797 Joe Malone 323/782-2757 Aaron Presley 323/782-2112
Dir. Mktg. Group Assistant	Vivian Lopez 323/782-2751

PERFORMANCE AUTOMOTIVE GROUP

President	Steven Parr
VP, Sales & Marketing	Ira Gabriel
CFO	Judy Anzalone
Group Operations Director	Amy Diamond
Sr. Operations Director	Pauline Clark

PRIMEDIA, INC.

Chairman	Dean Nelson
President & CEO	Kelly Conlin
Vice Chairman	Beverly C. Chell

PRIMEDIA ENTHUSIAST MEDIA

Chief Creative Officer	Craig Reiss
President, Consumer Mktg.	Steve Aster
SVP, Chief Financial Officer	Kevin Neary
SVP, Mfg., Prod. & Dist.	Kevin Mullan
SVP/Chief Info. Officer	Debra C. Robinson
VP, Human Resources	Kathleen P. Malinowski

CONSUMER MARKETING, PRIMEDIA ENTHUSIAST MEDIA

VP, Single Copy Marketing	Rich Baron
VP & CFO Consumer Mktg.	Jennifer Collins
VP, Retail Analysis & Development	Doug Jensen
VP, Wholesale/Retail	Stefan Kaiser
VP, Consumer Mktg. Operations	Elizabeth Moss
VP, Intenet/Sub Development	Dave Vockell

CONSUMER MARKETING, ENTHUSIAST MEDIA SUBSCRIPTION COMPANY

VP, Consumer Marketing	Bobbi Gutman

PRIMEDIA

Southern Rods & Parts

Super Specials

1-800-STRT-ROD

Southern Rods & Parts 2125 Airport Rd., Greer SC 29651 • www.southernrods.com
Orders only: 800.787.8763 • Tech Line: 864.848.0601 • Fax: 864.801.0601

Hub-to-Hub Deluxe Tube A-Arm Mustang II Front End

Comes complete with 11" Disc Brakes, 2" Drop Spindles, New Rack, all welds ground smooth on Crossmember.

Add **$200.00** for Polished Stainless A-Arms
Add **$40.00** for Power Steering

$1,329.95 Complete

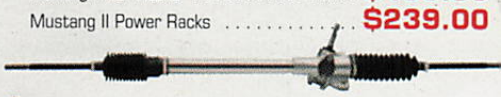
Deluxe Mustang II Weld-In Crossmembers

$299.00 Complete

Mustang II Racks

from **$149.00**

Flaming River Racks **$199.95**
Mustang II Power Racks **$239.00**



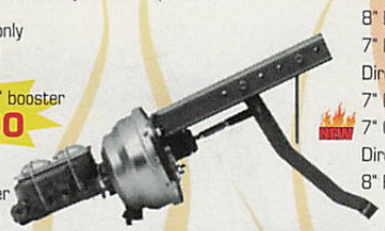
Universal Firewall Mount Hanging Pedal Assembly Kit

Fits all straight firewalls includes 7" or 8" booster. Includes booster, master cylinder and push rod.

Pedal assembly only **$129.00**

As shown with 7" booster **$299.00**

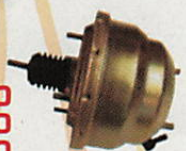
With 7" Dual Diaphram Booster **$349.00**



Power Brake Booster

Power Boosters available in 7"/8" sizes. Dual Port Master Cylinder & 7" Booster

7" Booster **$90.00**
7" Chrome Single Booster **$129.00**
8" Dual Diaphragm **$139.00**
7" Booster Firewall Mount
Direct Replace '55/7 Chevy **$129.00**
7" Dual Diaphragm Booster **$119.00**
NEW 7" Chrome Dual Diaphragm Booster SPECIAL **$179.95**
Direct Replace '55/7 Chevy **$129.00**
8" Firewall Mount **$129.00**



Chrome 7" Booster Firewall Mount **$200.00**
Special 7" Booster & Dual Side Master Cylinder **$129.00**
8" ..... add **$25**

World's Only 1" Bore Dual Side Master Cylinder

with ports on both sides Plugs supplied ....

$49.95

Street Rod Special Universal or Bolt-In Replacement Kit

Includes Pedal Assembly.

Universal Pedal only **$115.00**

As shown with 7" Booster and Master Cylinder **$250.00**

Exact Bolt-In Kit **$269.00**

$129.00

Jag/Lucas Tri Bar 7" Jag Headlights

H-4 bulbs. Available with blue dots, ruby red dots or black dots, also available bright white/blue halogen bulbs.
PT# 2011 Blue • PT# 2012 Black
PT# 2013 Red • PT# 2014 Silver Bullet

$50.00 pair
Bright White Halogen Bulbs (extra) ... **$10.00** pair

7" Silver Bullet

PT# 2014 **$50.00** pair

Paintable Tubular Upper & Lower A-Arms

Uppers **$130.00** pair
Lowers **$169.00** pair

SPECIAL $299.00 All Four

1" shorter than stock for ultimate clearance.

Power Steering Pump Kits V-belt or Serpentine

With reservoir built on to the small metric and brand new, not rebuilt pump.

$225.00 Complete Kit assembled with or without reservoir.

Pump w/ reservoir $115.00
Polished billet pulley only $45.00
Polished billet bracket w/adjuster bar $59.95

Polished Stainless Steel A-Arms

Set of 4 Complete **$525.00**

Griffin THERMAL PRODUCTS

SUPER SPECIALS

Big Hi-Pro 1.25 Tube Street Rod Radiators

'28 thru '48 cars and trucks with trans Kooler. **$475.00**

Tri-5 Chevy 1.25 Tube Radiator **$439.00**
'67-'99 Camaro 1.0 Tube Radiator. **$379.95**
With our Aluminum Condenser ..... add **$65.00**

SOUTHERN AIR SPECIAL

Heat and Air Kit

Complete from A to Z **$575.00**

All Prices Plus Freight—We Ship UPS Daily. Prices subject to change without notice.

MasterCard VISA DISCOVER

Walker RADIATOR WORKS INC.

Call For The Best Walker Radiator Prices In The U.S.A.

"Must Mention This Ad to Get These Prices"

CAR FEATURES

42 2005 PPG / STREET RODDER Road Tour
For the 10th Time in 10 Years the Road Tour is on the Road–Again
By Ryan Manson and Brian Brennan

52 From Stones to Gems
Hal and Vicki Smith's Phantom '40 Ford Cabriolet
By Chris Shelton

56 Deja Vu All Over Again
Tom Tait's Deuce Highboy Roadster
By Jason Walker and Brian Brennan

62 Transformed and Better Than Ever
Monty Lewellen's '40 Ford Cabriolet
By Jason Walker and Peter Vincent

78 Impression
Ken Reister's '36 Ford
By Brian Brennan and Scott Williamson

86 Local Hero
Sue and Bill Schroeder's '37 Chevy Sedan
By Chris Shelton

92 Fair Warning
Mike Warn's '48 Buick
By Ryan Manson and Brian Brennan

GENERAL FEATURES

68 Shop Tour:
STREET RODDER Visits ididit Inc.
By Jason Walker and Randy Lorentzen

72 Garage Scene:
Strollin' Through Rolling Bones Hot Rod Shop
By Chuck Vranas

108 Magnum Opus Deuce
Brookville Roadster's *Coupe de Grace*
By Chris Shelton

EVENT COVERAGE

104 NSRA Oklahoma City
By Jerry Dixey

TECH

114 Gettin' in the Swing
The Thing's that Swing ... Swing Pedals
By Ron Ceridono

122 Talk About Ponies
The Prince of Windsor: World's Alloy Block
By Barry Kluczyk

132 Blower Maintenance 101
How to Handle Old Roots
By Ryan Manson

146 What You See Is What You Get
A Real Steel '33-34 Ford Roadster Pickup Cab
By D. Brian Smith and Jay Harden

166 Brake Time
Braking Down Hydraulic Theory
By Ron Ceridono

178 The Ups and Downs
Lifts and Latches for Early Lids
By Chris Shelton

186 Trophy Dash
This One's a Winner
By Ron Ceridono

194 Around the Bend
Bend Bundy Line with the Best
By Carroll Hamilton

DEPARTMENTS

10	**For Starters**	By Brian Brennan
16	**Showcase**	By Rohan Day
18	**Street Corner**	By Brian Brennan
26	**Rodder Mail**	By Brian Brennan
34	**Window Shopper**	By Chris Shelton
156	**Spotlight Two Pack**	By Jason Walker
206	**Early Iron**	By Jason Walker
210	**Shop Manual**	By Ron Ceridono
214	**Professor Hammer**	By Ron Covell
222	**Henry Hirise**	By Dave Bell
224	**Hall of Fame**	By Mike Harrington
228	**20 Years Ago**	By Jason Walker

STREET RODDER

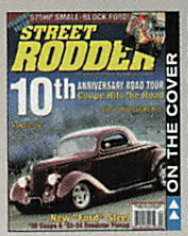
SEPTEMBER 2005 / VOL.34 NO.9

TABLE OF CONTENTS

62

72

178



ON THE COVER: It's birthday time at STREET RODDER as the PPG/ STREET RODDER Road Tour program celebrates its 10th anniversary. This year's Road Tour car is a J.B. Donaldson '36 Ford coupe resting on a Total Cost Involved chassis with an Air Ride Technologies air spring suspension, and is powered by an EFI Roush Performance 342 small-block Ford. (Photo by Brian Brennan and Nick Licata) The inset photo is the latest from World Products as it unveils the newest addition to the small-block Ford engine. (Photo by Barry Kluczyk)

STREET RODDER (ISSN 0277-5735) September 2005, Vol. 34, No. 9 is published monthly by PRIMEDIA Specialty Group, Inc., 6420 Wilshire Blvd., Los Angeles, CA 90048-5515. Contents copyright © 2005 and all rights reserved by PRIMEDIA, Inc. This magazine is purchased by the buyer with the understanding that the information presented is from various sources from which there can be no warranty or responsibility by PRIMEDIA, Inc., or the publisher as to legality, completeness and accuracy. Periodicals postage paid at Los Angeles, California 90052, and at additional mailing offices.

SUBSCRIPTIONS. U.S. and U.S. possessions $29.95 for 12 issues. Canadian add $15.00 postage (includes GST) and all other countries add $20.00. Payment in U.S. currency only. CBN 129791596RT. Canada Publications Mail Agreement No. 40008153. Return undeliverable Canadian addresses to DHL Global Mail, 7496 Bath Road, Unit 2, Mississauga, ON L4T 1L2.

POSTMASTER. Send address changes to STREET RODDER, P.O. Box 420235, Palm Coast, FL 32142-0235.

BY BRIAN BRENNAN | brian.brennan@primedia.com

WHERE DO WE GO FROM HERE?

Lately you may have noticed a growing number of street rods of substantial substance. Allow me to elaborate. Some would say incredible style, craftsmanship, quality, and (gulp!) vast budgets. While the majority of us can only dream of owning a street rod of such essence we can still appreciate the effort. With our collective egos left at the garage door, all of us should recognize these cars as tremendous accomplishments. Really!

For starters, the Chip Foose-designed/built '36 Ford roadster belonging to Ken Reister is the "rod of note" for 2005. It outdistanced the highly competitive field, winning this year's Detroit Autorama *Ridler* award, and is an early favorite for the 2006 Grand National Roadster Show's *America's Most Beautiful Roadster* title.

Think back to other rods debuted over the past year and note how each raised the bar—and then look back and note how each of these efforts can benefit you in your next project.

Let's start with the Eric Peratt (Pinkee's Rod Shop) designed/built '29 Ford roadster pickup belonging to Royce Glader that was a finalist at this year's Grand National Roadster Show. Always a crowd favorite, it took home the *Go for the Gold Fine Nine* award, which included a $20,000 cash award. (Another gulp!) It was also a "car of interest" at Detroit and Blackie's Fresno Autorama. Did we mention that this roadster pickup explored new ground (the evolution of the rat rod) for high-end street rods, and did it oh so successfully?

How about the lil' board track racer from Creative Concepts? Zane Cullen and his staff "cowboyed up" (to use vernacular of the day) and created a street rod that truly explores the history of performance, blending new technology and historic appearance to achieve a look that is ripped from the pages of history. This street rod was a huge favorite at the most recent SEMA Show, where there are literally hundreds of mind-bending, budget-busting efforts—but the board racer was the favorite.

But there's more. The Troy Trepanier (Rad Rides by Troy) designed/built '32 Ford highboy belonging to Roger Ritzow captured the title of the 2004 Goodguys *Street Rod of the Year* presented by Eagle One. The car is still being talked about as one of, if not *the*, most superbly crafted and detailed 1932 Ford highboy roadster ever built. How's that for intimidating!

Then there's Steve Moal (Moal Inc.), who has built any number of finely crafted street rods, and one of his most recent efforts is the 1932 Ford highboy roadster called *Seduced*. Owned by Paul and Erik Hansen, the highboy was in the running for the Detroit Autorama *Ridler* award in '04 and won the *America's Most Beautiful Roadster* award at the '05 Grand National Roadster Show.

There are other keynote Moal creations, such as Eric Zausner's Ferrari V-12-powered one-of-a-kind, as well as his all-new Speedway Special, a blue '32 Ford roadster fired by a 450hp Ardun-Ford V-8. Be on the lookout for the most recent Moal creation to appear in *STREET RODDER*: the Bob Dron radically channeled, scarlet red '*32 2 Low* retro-lowboy roadster.

Moving into the realm of superb craftsmanship coupled with fun, there's Jon Hall's all-new red '27 Model T highboy roadster on Deuce 'rails. Jon's T has been described as a "scoch bigger," maybe because he opted to make the body fit the Deuce frame rather than fitting the frame to the car—a common practice. The Hall team scaled up the time honored Model T dimensions, creating a Tin Lizy roadster that fits modern rodders (ah … taller, wider, and heavier!).

Other creations of noteworthy effort are the *Aluma-Tub* and the *Whatahey*, both belonging to Scotty Gray and designed/built by Boyd Coddington and his crew. The *Aluma-Tub* (1929 Ford Model A highboy phaeton) possesses both unique styling and execution via its all-aluminum presentation—body, chassis components, engine, etc … this rod is a recycler's dream.

The *Whatahey* may have a funny name, but there is nothing hilarious about its '30s-era styling coupled with modern rodding touches. This is one rod that wears its "Clark Gable" heritage on its fender.

Well, that about wraps it up, but there are two other worthy "honorable" mentions to this illustrative list of really, really well-built and mighty kool street rods. Be on the lookout for the latest, and possibly last, effort from Lil' John Buttera. He is on the verge of releasing his polished (yes polished) aluminum body lakes-modified, torsion suspension—and wait until you see the wheels on this beauty.

And, back to the beginning. Chip Foose is designing and building something for himself (yep his own rod), which he hopes to debut at the 2006 Detroit Autorama. If you are expecting another Titan seeking the *Ridler*, you will be sadly mistaken. His goal is to debut his P32 highboy roadster in the "basement" of next year's Autorama. You see the basement is the hangout for the X-treme rods—you are gonna love his V-12 Lincoln-powered hot rod. What's the theme? Well, image a WWII fighter pilot several years after VJ Day pining away for his fighter plane. Interested? Hang in there!

What does all this mean? We are living in the new era of coachbuilt rods. Another level, another standard is before us. Many of us remember as hot rods evolved into resto rods, into street rods, into phantom rods, into coachbuilt rods. Yep, the times they are a changin' right before our eyes. This is a great time to be a rodder. SR

EZ WIRING

PRE-WIRED FUSE BLOCK KITS

EZ WIRING is the EZ way!

Each circuit wire is labeled every 5" over it's entire length
so you know exactly where it goes— EZier to wire— EZier to trouble shoot!

All EZ WIRING kits use GXL 125° high temp crosslinked polyethylene jacketed wire that is grease, oil, gas and acid resistant.

Choose color or black harness with 21 circuits. Our best kit has 18 fuses and 21 circuits including power windows, A/C and trunk light. No extra charge for GM factory column connectors and instrument wiring. Harness includes flashers, fusible link, horn relay, GM turn signal connectors, and complete instructions and diagrams.

NEW!
GM Color Coded Harness

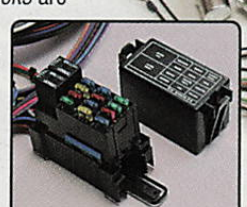
Customer Appreciation Sale
21 CIRCUIT KIT color harness
$165

Factory Components
Big assortment of quality factory plugs and switches. Please Call!

12 CIRCUITS

NEW 12 & 21 circuit EZ harnesses with Mini-Fuse Panels

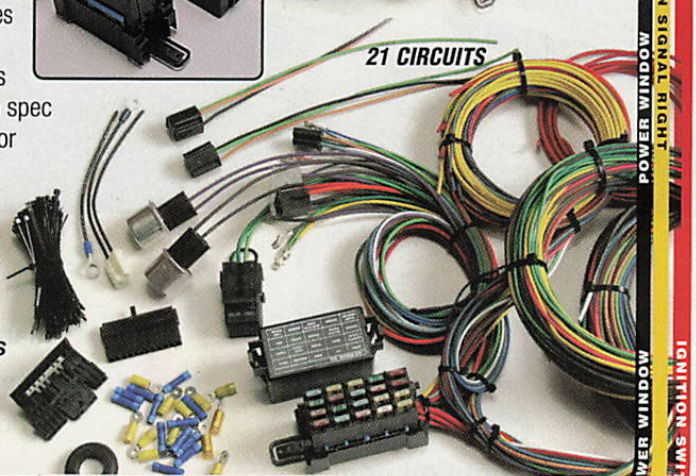
Our new kits use the latest GM technology. *Mini- Fuse blocks* are easy to mount anywhere near the driver and use the new OEM mini fuses and relays. EZ harnesses use GLX 125 spec wire, GM color coding and are labeled every 5".



12 Circuit $130

21 Circuits $130

21 CIRCUITS



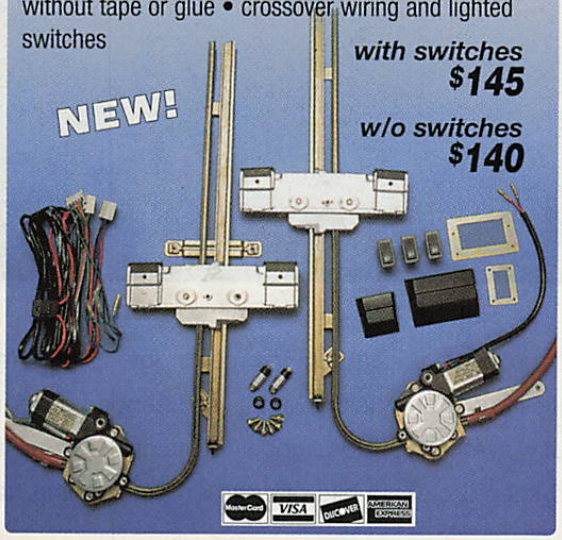
EZ POWER WINDOWS

EZ WIRING introduces our new, easy-to-install power window kits. Our kits feature • OEM quality motors with screw cable drive • wide channels for smooth window movement • self-centering window channels • our unique clips secure glass to the channel without tape or glue • crossover wiring and lighted switches

NEW!

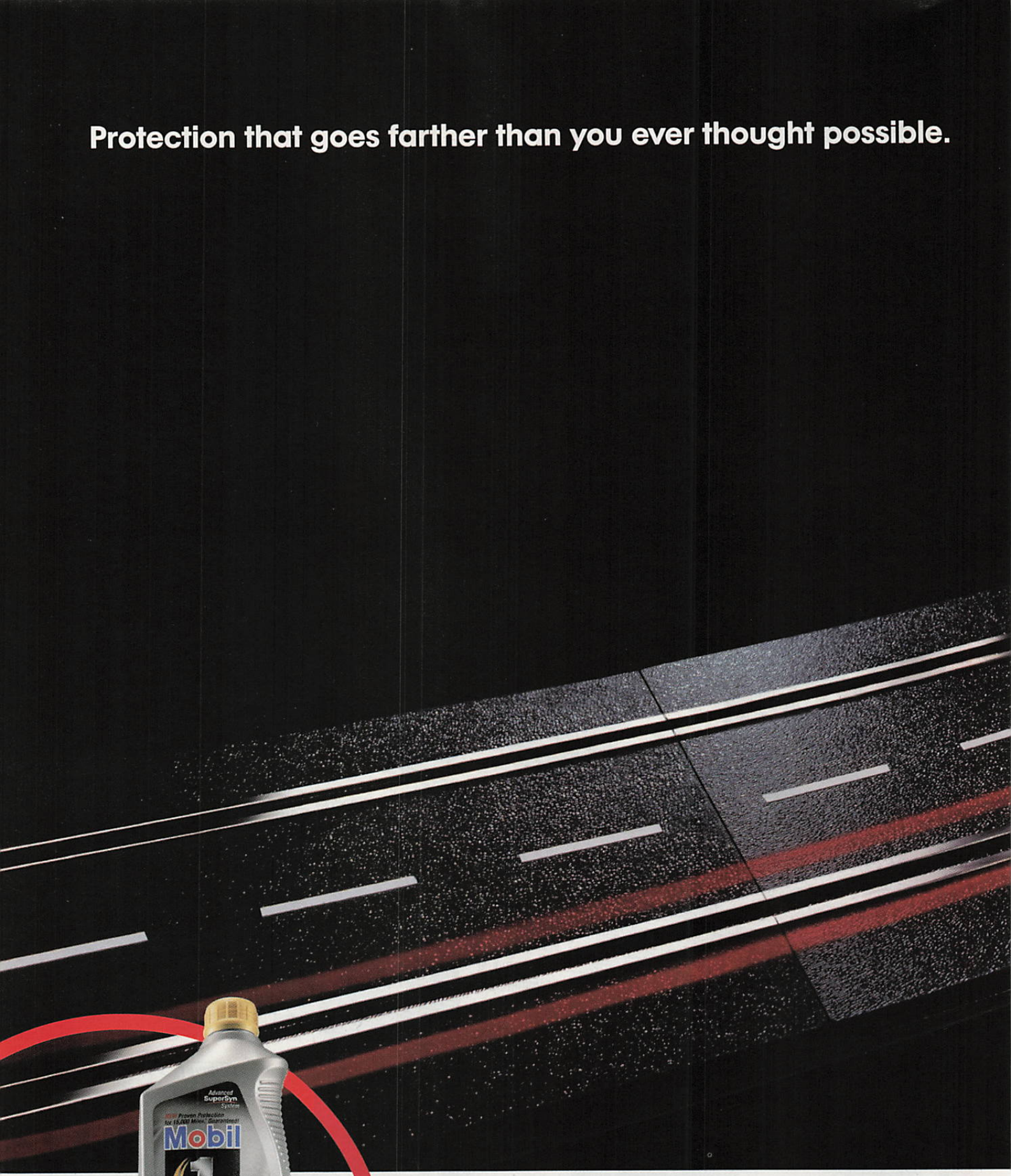
with switches $145

w/o switches $140



www.ezwiring.com 386-437-1077
Call EST 8:00 am to 6:00 pm M-F, 9-2 Sat. • DISTRIBUTORS WELCOME

Protection that goes farther than you ever thought possible.



mobiloil.com

A motor oil that protects critical engine parts for 15,000 miles — guaranteed? Believe it. Introducing Mobil 1 Extended Performance, a new kind of fully synthetic oil designed to maximize your engine's performance and keep it clean while offering an astonishing new level

© 2005 Exxon Mobil Corporation. Mobil, Mobil 1 and Mobil SuperSyn are trademarks of Exxon Mobil Corporation or one of its subsidiaries. NASCAR® is a registered trademark of The National Association for Stock Car Auto Racing, Inc.

*As compared to Mobil 1 motor oil.

of protection. Packed with 37% more cleaning agents, 36% more anti-wear additives and 50% more SuperSyn*, new Mobil 1 Extended Performance takes the concept of engine protection to a whole new level. **The oil that's changing oil.**

Mobil

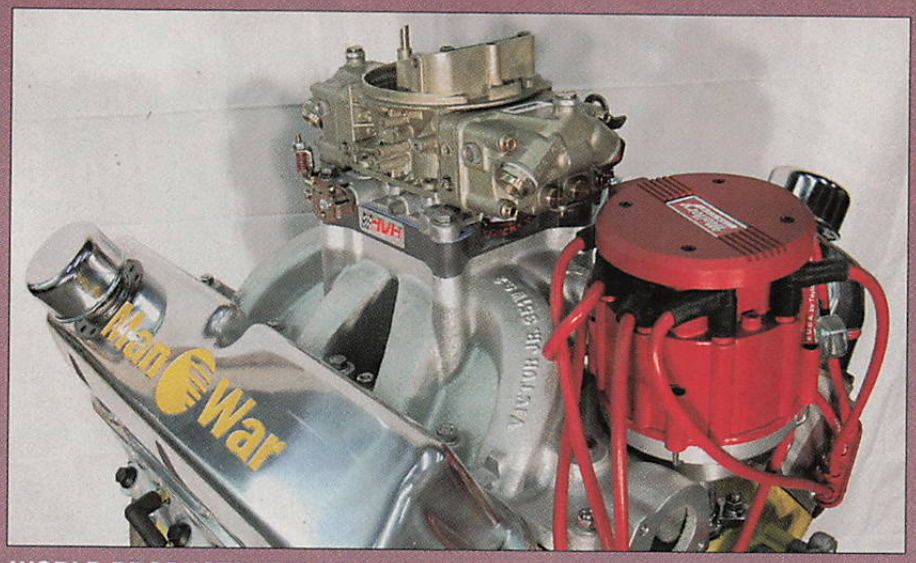
Command Performance

Official Motor Oil of NASCAR

LOG ON NOW

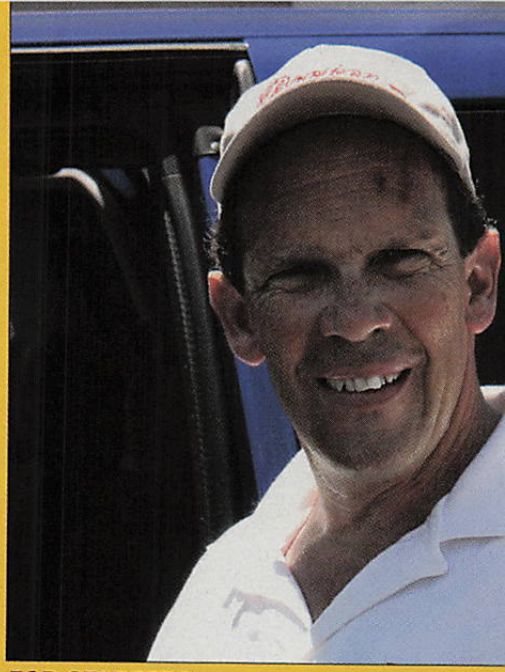
streetrodderweb.com

2005 PPG/STREET RODDER Road Tour Coupe
Celebrating the 10th Anniversary of the STREET RODDER Road Tour Program



WORLD PRODUCTS INTRODUCES ITS NEW FORD SMALL-BLOCK

THE NSRA SOUTHWESTERN NATS SETS A RECORD



FOR STARTERS
Where do we go from here?

- Subscribe online and find back issues with ease
- Links to other popular Primedia Enthusiast Group magazines
- See products from our sponsors
- E-mail contact for the editors and all departments of the magazine
- See the current cover nearly two weeks before it's available on the newsstand!
- All this and more!!

STREET RODDER
LATEST UPDATES
The 53rd Annual Detroit Autorama
There's something about willingly flying to Detroit, Michigan, in the dead of winter. Detroit, downtown...
More...
Track Test: Deuce Highboy
Street rods are all about individuality. Yes, I know we are living in the era...
More...
Daily Updates
OK, we hear you and since you like the "Daily Updates" we have done from...
More...
Tom's Fun Run Cruise To Columbus Information
Are you tired of sitting in your lawn chair? Are you itchin' to get some...
More...
FEATURES
Fred Warren Revisits Muroc
Back in 2001 Fred Warren debuted the very first of a limited production run of...
More...
The Little Deuce Coupe
To call Jim Inglese's company Hot Rods & Horsepower's new Deuce coupe remarkable is an...
More...
SHOP 2 PARTS
Save Time And Money!
CLICK HERE

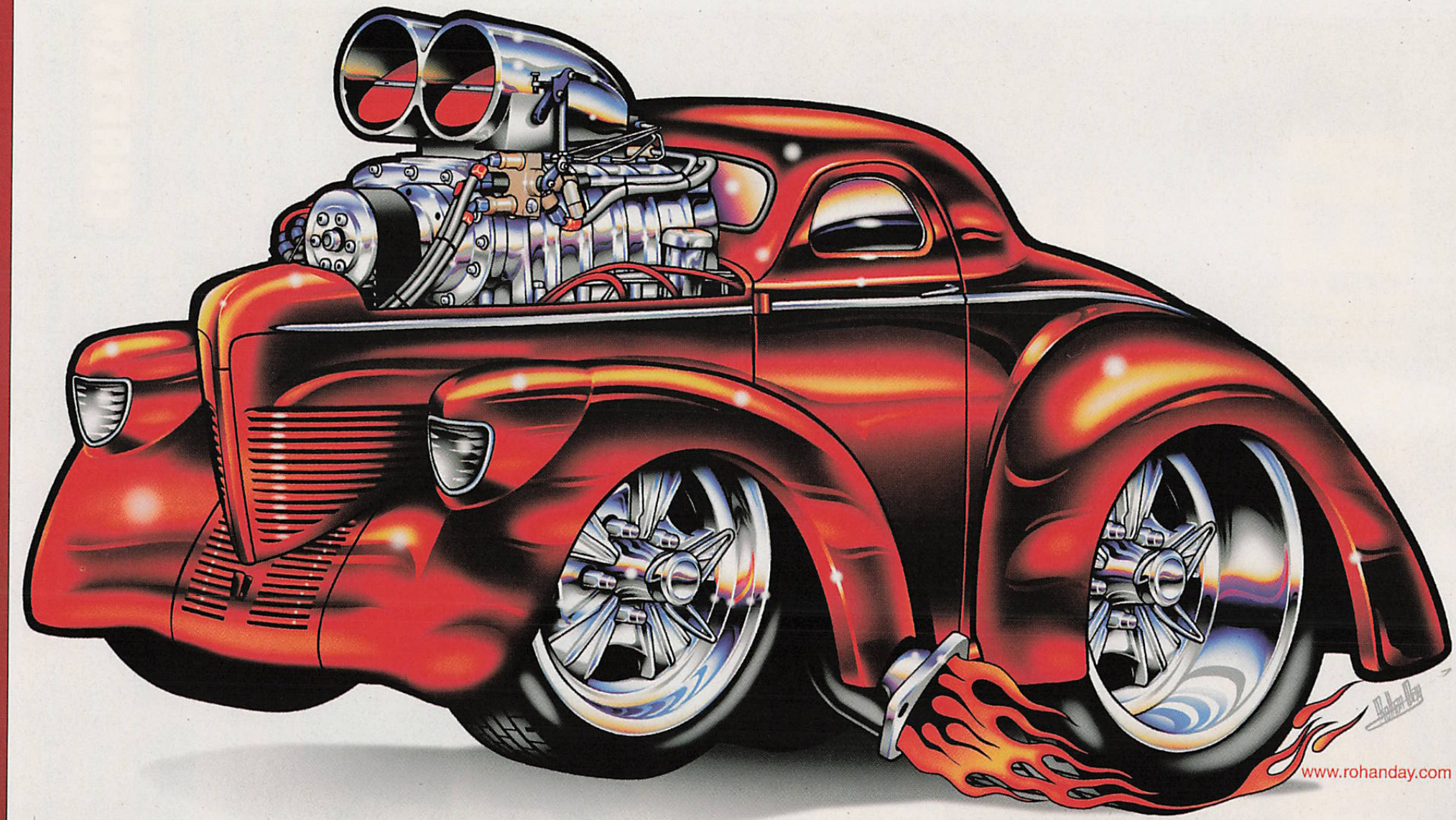
WE'VE TAKEN LEVELS TO A WHOLE NEW LEVEL.

The traditional level has served man well. But now there's the Laser Trac™ Level from Craftsman.® It guides you with a precise beam, which even goes around corners. So there's no need to mark up your walls. And you can quickly adjust the laser from horizontal to vertical. Get yours at Sears or Sears Hardware Stores for $39.99. Or order online at craftsman.com.

Sears
Good life. Great price.

CRAFTSMAN®
MAKES ANYTHING POSSIBLE®

© 2004 Sears Brands, LLC



www.rohanday.com

Absolutely the hottest colors for the coolest rides!

Gai Wilson, Louisville, TN, 1932 Ford Coupe

Scott & Keyma Bullock, St. Louis, MO, 1937 Ford Pickup

Kenny Allen, Sorrento, LA, 1937 Ford Coupe

Chip Wolny, Naples, FL, 1940 Custom Pickup

Dennis Shrewsbury, Princeton, WV, 1938 Lincoln Zephyr

With its dazzling array of custom colors and the latest special effects finishes, the *Vibrance Collection* is good reason why professional refinishers choose PPG for show-stopping finishes.

Sterling examples of eye-popping custom paint include these winners of the PPG 2004 Outstanding Use of Color Awards at the NSRA Nationals. These street rod gems draw crowds wherever they go.

The *Vibrance Collection.*
Absolutely the hottest colors
for the coolest rides.

VIBRANCE COLLECTION™

PPG A PPG BRAND

©2005 PPG Industries www.ppgrefinish.com

BY BRIAN BRENNAN | brian.brennan@primedia.com

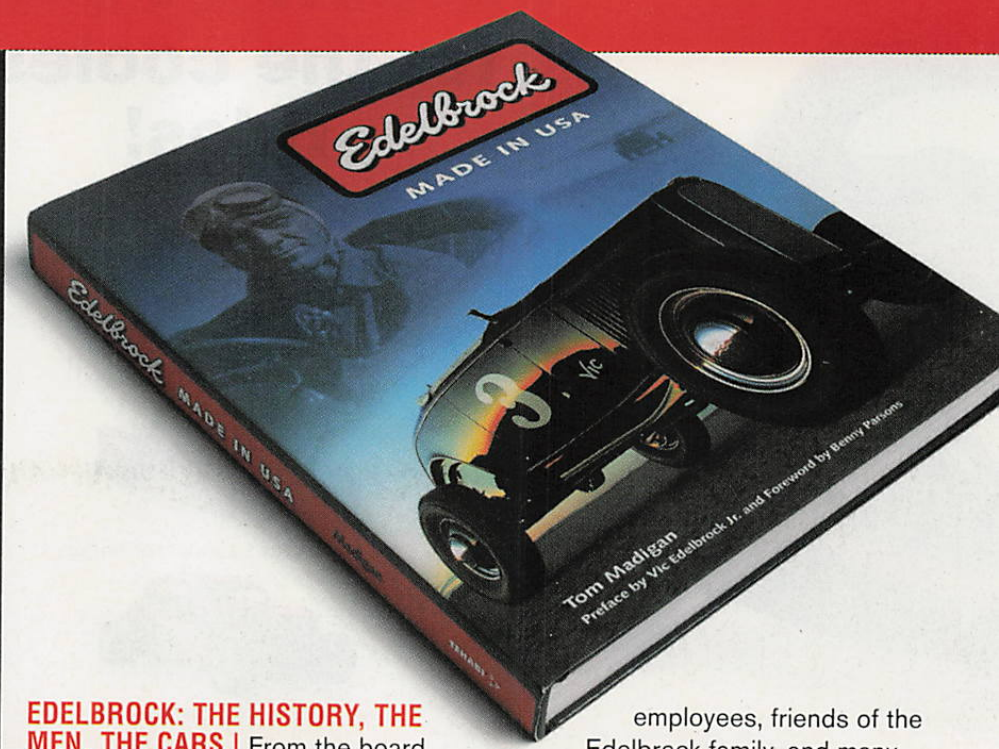
SO-CAL ARIZONA HOSTED AN OPEN HOUSE | Last year SO-CAL Arizona celebrated its 30th year in business, but nobody makes a big deal about a 31st anniversary. We needed a new reason to party—something fresh—and Jimmy Shine and his bare metal '34 pickup was just the answer. Jimmy's truck has great crossover appeal, from the dry lakebeds to the floor of the Grand National Roadster Show.

The festivities began early Saturday morning, April 24, on a beautiful spring day in Arizona for a barbecue.

Customers drove their cars to the store and got to see what has been in the works. There were a lot of SO-CAL parts in the parking lot that day, and a lot of good-looking rides!

There was a huge turnout of cool cars and fans of all ages who came out to meet Jimmy and snap a picture of his "funk-tional" pickup. Jimmy is the headliner of the Outlaw Division of SO-CAL Speed Shop, an inspiring surfer, hot rod builder, and Bonneville racer who has attracted a new generation to the age-old hobby of building, customizing, and cruising in hot rods. Thanks to Jimmy, the SO-CAL Arizona team, and a few special helpers, the day went off without a hitch.

We are looking forward to next year when the whole SO-CAL family will be celebrating with Alex Xydias and the 60th anniversary of SO-CAL Speed Shop.



EDELBROCK: THE HISTORY, THE MEN, THE CARS | From the board tracks to the dry lakes to the modern manufacturing facilities of Edelbrock Corporation today, this hardbound book tells the history of the performance aftermarket industry as it unfolds around Vic Edelbrock Sr., and many other pioneers of performance. Names like Wally Parks, Alex Xydias, Ed Iskendarian, and Ed Pink are intertwined in the story about the beginnings of the Edelbrock Equipment Company in the late 1930s.

Veteran automotive journalist, Tom Madigan (*STREET RODDER* freelancer), spent three years interviewing these pioneers, traveling with the Edelbrock family, and researching the history of not only the industry but of racing in Southern California. The story begins with Vic Sr.'s family and their journey to California from Kansas, then quickly transcends into the stories that spawned a giant performance industry. Finishing with a tribute to the wife of Vic Jr., Nancy Edelbrock, this book spans the decades through the good times and the bleak times of the automotive timeline.

"Edelbrock: Made in USA" is loaded with photos that have never been seen by the public until now. Collected from several hundred sources, original photographs came from Wally Parks, the personal archives of Vic Edelbrock Jr., past employees, friends of the Edelbrock family, and many more. Some photographs came straight from the bulletin board of Vic Sr.'s club, the Roadrunners. In fact, the original tacks were still hanging on in some cases!

Enthusiasts who purchase the book directly from Edelbrock ($40 + tax, S/H) will receive a bonus! Vic Edelbrock Jr. will personally sign every copy sold through www.edelbrock.com. Coming soon: a special leather bound edition that includes a limited edition, 1/18 scale die-cast replica of Vic Sr.'s '32 roadster.

"I am, of course, very proud of what my dad, my family, and all the many Edelbrock employees have accomplished over the last 67 years," said Vic Edelbrock Jr., president and CEO of Edelbrock Corporation. "Our story is the story of American ingenuity, the love of mechanical things, and going fast. The world has changed many times since my dad first drove his '32 Ford roadster across the dry lakes of SoCal, and Edelbrock has changed with it. It's been quite an adventure and I think people will really enjoy reading it."

For more information, contact Edelbrock Corporation, 2700 California St., Dept. SRM, Torrance, CA 90503; call (310) 781-2222; or visit www.edelbrock.com.

Experience Counts.

Mr. Borgeson began developing precision u-joints in 1914. Borgeson universal joints have been continuously made in Torrington, CT ever since. Who else can say that?

Traditional Hot Rod Column shown with tach cup, column drop, three spoke wheel and floor mount
Steel, Polished Stainless Steel, and Aluminum Single and Double U-joints
Polished Vibration Reducer and U-joint
Polished Billet Column Drop
Billet Shaft Support Bearing
Aluminum U-joints
Steel, Aluminum and Stainless Shafting
Blueprinted Mustang Steering Box
Billet Aluminum Steering Box
GM Style Remote PS Pump kit
Blueprinted 55-57 Chevy Steering Box w/short shaft

Hey, you want to talk neat old parts?

Borgeson was perfecting u-joints when Henry still had hair and was designing Fords himself.

July 22, 1914

This is the actual prototype BORGESON u-joint carved from wood in Torrington, CT. in 1914. A US patent was awarded to BORGESON based on this original model.

We don't know if people are going to start collecting vintage BORGESON u-joints, but we do know that we CNC machine them from the purest, highest grade alloys into the smoothest, strongest and safest u-joints you can buy. And they're still proudly made in Torrington, Connecticut where it all started.

00505SR

BORGESON Mullins

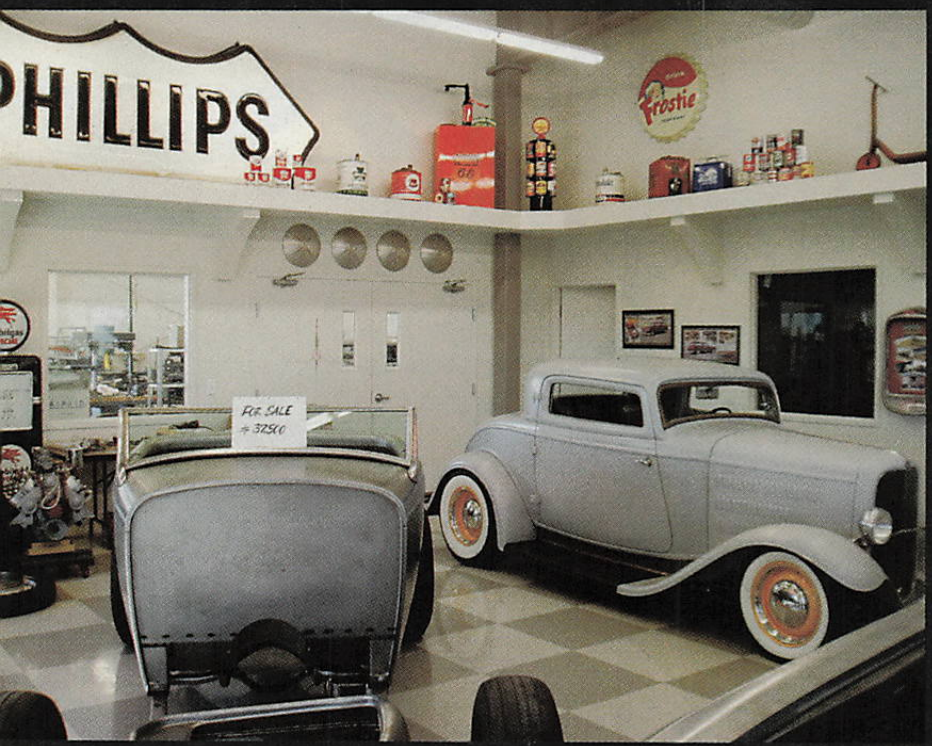
MADE IN THE USA

FREE Catalog and Technical Guide

BORGESON UNIVERSAL COMPANY, INC.

187 Commercial Blvd. • Torrington, CT 06790

(860) 482-8283 • FAX (860) 496-9320 • *www.borgeson.com*



IS THIS BIG ENOUGH? | Apparently Thom Taylor's article on "Butchering the Classics" has spurred some additional efforts by other street rodders. The guys at Metropolis Speed and Custom are looking at doing one such project themselves in the form of an Auburn. It came from an idea Paul Walter and his friend and artist, Jim Orr, had and then put pen to paper.

The Auburn will retain the very characteristic original grille, windshield, and convertible top. All other panels are to be vastly modified from the originals so as to bring off the fenderless look while keeping the unmistakable characteristics of the original speedster. Colors are also undecided, but there about nine different schematic ideas right now.

The rear suspension is of a ladder-bar-style arrangement carrying a quick-change. Initial design of front suspension called for split wishbones on a dropped I-beam, but an alternative design for independent is in the works.

Engine/transmission is undecided, but it will absolutely be supercharged. Wheels and tires are a combination of 19s and 20s with blackwalls and disc brakes inside finned drums at the corners.

For more info on this and any other project at Metropolis Speed and Custom, contact them at 93 W. Hubbard Ave., Dept. SRM, Columbus, OH 43215; call (614) 294-3082; or visit www.metropolisspeedandcustom.com.

WELL DESERVED CREDIT | The April 2005 issue of STREET RODDER featured a two-car spread of Willys Americars under the title "A Tale of Two Willys." Among other things, we misrepresented a few details, including the car's dash construction. To make matters worse, we didn't credit the dash inserts' manufacturer, J&B Microfinish.

If you would like to commission J&B Microfinish to whittle one-off parts like they did for Al Brockly's Willys, write them at 413 W. North St., Dept. SRM, Pontiac, IL 61764; call (815) 842-2279; or visit www.jbmicrofinish.com.

Jim Morgan proudly holds the Goodguys 2005 *Street Rod d'Elegance* trophy, presented by Eagle One. His winning '40 Ford coupe was his first hot rod project since high school, and look for it in an upcoming issue of *STREET RODDER*.

2005 GOODGUYS STREET ROD D'ELEGANCE AWARD | Jim and Nancy Morgan's 1940 Ford Opera coupe from Richmond, California, won the 2005 Goodguys *Street Rod d'Elegance* award, presented by Eagle One. The Morgans accepted the award in the paddock at the world famous Del Mar Racetrack and Fairgrounds in front of a capacity, sun-soaked crowd.

The award capped a 40-year love affair with the car for Jim. "Back in high school, this coupe was the baddest car in town," he recalls. "The original owner, Wayne Seeberg, and I were in cub scouts together and went to the same high school together. I always admired the car's reputation. Back in 1969 it was put inside his mother's garage where it sat for 31 years. I saw him in 2000 and he informed me his mom had passed away and he was selling her house and the car. It was offered to me and I jumped at the chance to own the car that meant so much to me as a kid!"

Vince Byrne at Lucky 7 gets all the credit for the masterful metalwork on the coupe. The final paint choice couldn't have been more elegant, with a midnight purple roof and hood, blended into champagne-gold doors and fenders from the PPG Vibrance collection. Special silver leaf tribal graphics flow between the two predominant colors.

"TANKS" Inc.

P.O. Box 400
Clearwater, MN 55320

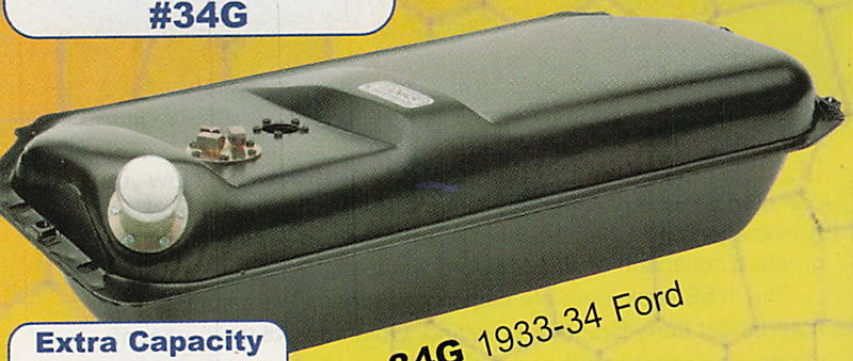
Please Call Your Dealer...
or Use Our 24 Hour Fax Line:
320-558-4439
www.tanksinc.com

Order Factory
Direct at
320-558-6882
Monday-Thursday
9AM-5 PM CST

Die Stamped
GALVANIZED ALLOY GAS TANKS
1933-48 FORD

Stamped On Our Dies To Look Original, But With Added Street Rod Features

Bolt-on Neck with Billet Cap & O-ring
#34G



Extra Capacity - 16 Gallons

34G 1933-34 Ford

Each Tank Comes With Our Bolt-In #PTA Assembly
- 3/8" Pickup Tube
- 3/8" Return Line
- Vent

Optional In-Tank Pumps Available For Fuel Injection

The Reservoir Tray Is Already Inside Each Tank

Extra Capacity - 16 Gallons

35G 1935-40 Ford

INTERNAL RESERVOIR TRAY

Great For Carburetors... An Absolute Necessity For Injection!

17 Gallons

48G 1941-48 Ford Stock Dimensions

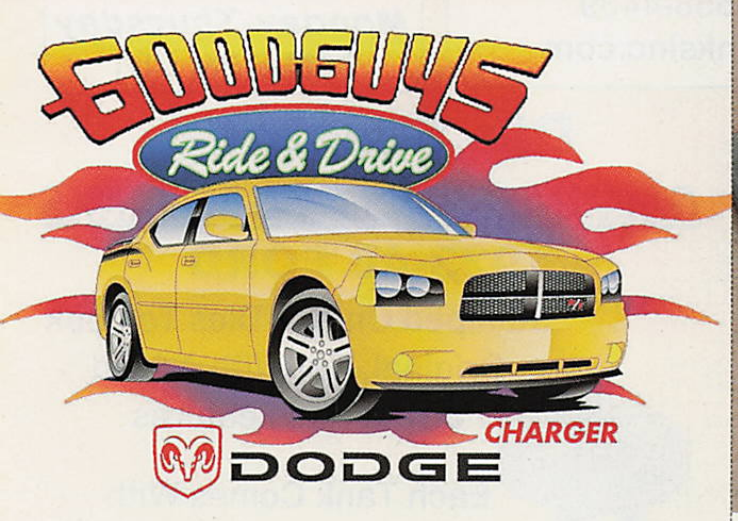
Don't Starve Your Engine With a 1/4" Pickup Tube Originally Designed For 60-85 Horsepower!!

Extra Capacity - 16 Gallons

34G-PT 1933-37 Ford Truck

FEATURES

- **Galvanized Steel - Protects Against Rust!**
- **Leak Tested... Twice!! - For Safety**
- **Baffled - Minimizes Sloshing**
- **Caged Mounting Nuts - Easy Install**
- **Vented - Allows Tank To Breathe**



RIDE AND DRIVE WITH THE GOODGUYS | Dodge will stage the popular Ride & Drive Program at seven 2005 Goodguys Rod & Custom Association events, giving event attendees a chance to sit in and testdrive new automobiles from Dodge.

The Ride & Drive is a technique developed by Dodge to launch its new vehicles at the grassroots level. Attendees can check out a new Dodge and take a short, get-acquainted testdrive on a controlled course while at a Goodguys event.

"They can have their questions answered and talk directly with Dodge representatives who will be on hand," said Lee Farrell of Promotion Services, the company who will be coordinating the Ride & Drive campaign for Dodge.

The primary test vehicles for the Ride & Drive will be the 2006 Dodge Charger, but the Dodge Magnum and other hot Dodge products will be represented as well. The Dodge Ride & Drive program will be featured at the following 2005 Goodguys events:

- 1st Great American Rod & Custom Nationals, May 20-22, Hershey, PA
- 8th Pomona Nitro Nationals, August 5-7, Pomona, CA
- 19th Texaco/Havoline West Coast Nationals, August 26-28, Pleasanton, CA
- 13th Lonestar Nationals, September 30-October 2, Fort Worth, TX
- 12th Southeastern Nationals, October 28-30, Charlotte, NC
- 7th Fuel & Gas Finals, October 28-30, Bakersfield, CA
- 16th Autumn Get-Together, November 12 & 13, Pleasanton, CA

To participate, stop by the big red Dodge welcome tent at the Ride & Drive area and get signed up! It's that simple!

DETROIT AUTORAMA PERPETUATES ITS HISTORY | Now you can own a piece of Autorama history. The Michigan Hot Rod Association and Championship Auto Shows is setting about to create a collection of *Ridler* award winners.

The 1/58-scale cars are cast in pewter and were sculpted by noted artist Larry Braun of Loveland, Colorado. All the pertinent information regarding these outstanding vehicles and their owners is contained on the reverse side of the base.

Available now is the '38 Chevy–the 2002 winner owned by Wes & Bob Rydell of Grand Forks, North Dakota–and the '37 Willys–the 2004 winner owned by Al Brockley of Morris, Illinois.

At $40 each (plus shipping and handling), these little art gems will be a great addition to your hot rod memorabilia collection. To own one yourself, contact Janine Carlson at (248) 628-1874, or e-mail poala1874@aol.com.

AN EVENING WITH ANDY BRIZIO | Andy Brizio, northern California's signature hot rodding icon since the early 1970s, will be roasted Saturday, August 27, during the Goodguys 19th Texaco/Havoline West Coast Nationals and everyone is invited! The "Evening with Andy" will be held at the Pleasanton Hilton and there's room for about 300 people. For $35, you'll get dinner and be able to enjoy all the evening's festivities–and if you know Andy and his buddies, the evening promises to be one to remember!

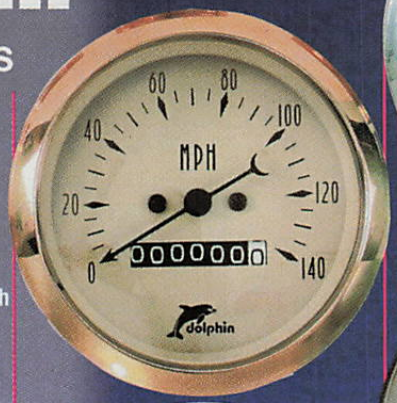
Known as "The Rodfather" for his development of the "Instant T" hot rod kit, Brizio has long been a driving force and leader in the hot rodding world. But before he gained notoriety with hot rods, Brizio served as the official flag starter at Half Moon Bay dragstrip during the 1960s. He then opened Andy's Wheel & Tire shop on Old Mission Road in South San Francisco, and in 1981, he and wife, Sue, opened "Andy's Tee Shirts" in Concord, California. Along the way, he's driven his hot rod roadsters across the country *(SRM Editor Brennan will be hanging on for one more cross country trip on the road to Indy)* more times than anyone, living up to his legendary "Rodfather" status.

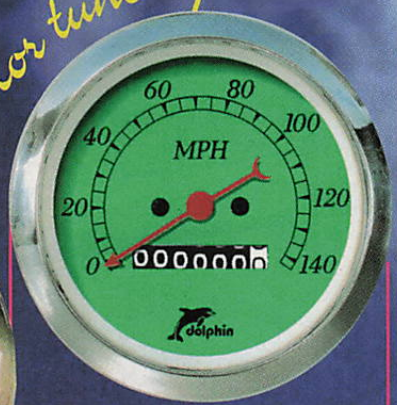
The evening schedule calls for cocktails at 6 p.m. with dinner at 7 p.m., followed by the evening's festivities! To reserve your seat, please call Diane Walsh at Goodguys, (925) 218-9145, or e-mail her at dianew@good-guys.com SR

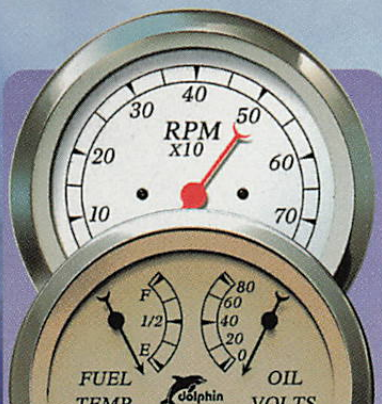
dolphin INSTRUMENTS

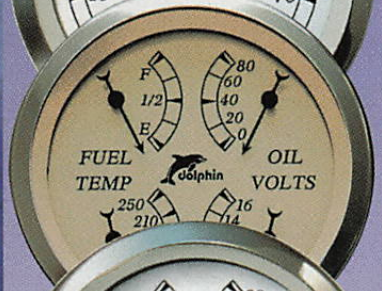
"give your interior a color tune-up!"

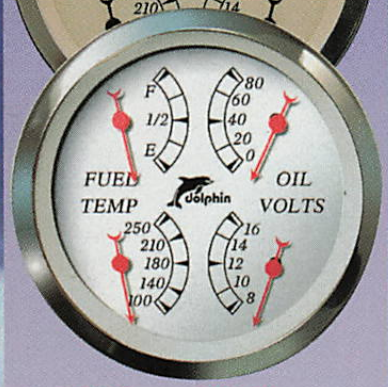
Dolphin's colorful gauges reflect the beach environment of our Florida coast headquarters... aqua, beige, white, black and grey. Dolphin Instruments has a style and color gauge set to compliment any custom interior. Our line of great looking, high quality gauges feature the finest air core movements available, glare free lighting, stylish curved glass lenses and polished stainless or gold bezels. The electronic sets include a fully programmable electronic speedometer for easy calibration with any tire size / axle ratio.

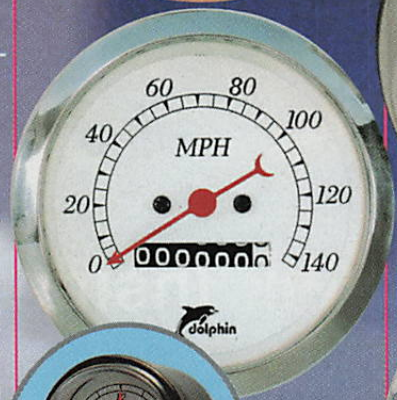




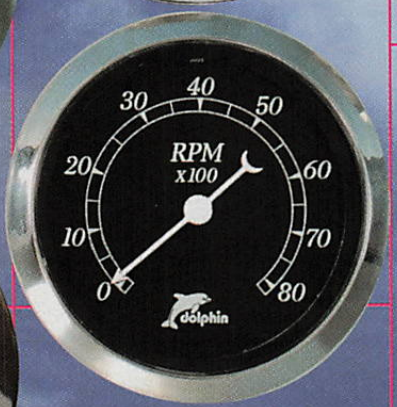








new beige face with stainless bezel



■ Fuel, oil and temperature sending units are included.

5 gauge mechanical set	$165
5 gauge electronic set*	$219
6 gauge mechanical set	$195
6 gauge electronic set*	$249
Electric Clock	$ 50

**Pulse generators for electronic speedometers are additional. Call for info.*

3-3/8" or 5" dia. Quad Gauge Sets

■ *Polished stainless bezels with white faces and red pointers or beige faces and black pointers*

5" quad w/mech speedo	$220
5" quad w/elect speedo	$290
3-3/8" quad w/mech speedo	$204
3-3/8" quad w/elect speedo	$250
5" electronic tachometer	$134
3-3/8" electronic tachometer	$ 74

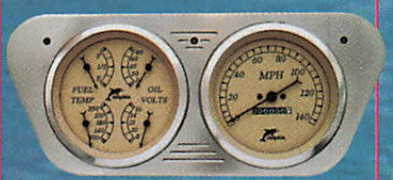
Billet Dash inserts

Chevy Truck		
40-46	5 hole	$150
40-46	3-3/8" quad	$150
47-53	3-3/8" quad	$130
47-53	5 hole	$169
47-53	5" quad	$130
54	3-3/8" quad	$130
54	5 hole	$190
55-59	3-3/8" quad	$130
60-66	5 hole	$140
60-63	6 hole	$140
60-66	3-3/8" quad	$140
Chevy Car		
37-39	3-3/8" quad	$130
40	5 hole	$150
41-48	5" quad	$167.50
55-56	3-3/8" quad	$145
Ford Truck		
34-38	5 hole	$130
48-52	F-1 5 hole	$130
48-52	F-1 3-3/8" quad	$130
53-55	F-100 5 hole	$130
53-55	F-100 3-3/8" quad	$130
53-55	F-100 5" quad	$130
Ford Car		
32	5 hole	$130
32	3-3/8" quad	$130

'48-50 Ford Truck

'32 Ford Car

'40 Chevy



'53-55 Ford Truck

'47-53 Chevy Truck

'55-56 Chevy

'54 Chevy Truck

'60-63 Chevy Truck

www.dolphingauges.com

Call 8:00 am to 6:00 pm EST Monday-Friday • 9:00 am to 3:00 pm Saturday **386-437-1944**

MasterCard VISA

DISTRIBUTOR INQUIRIES WELCOME

Think Inside the Box

HOT RODS & HORSEPOWER'S DEARBORN DEUCE™ can fit your turnkey rod with any Ford Racing crate engine, such as this car's 4.6-liter, DOHC Mustang Cobra V-8.

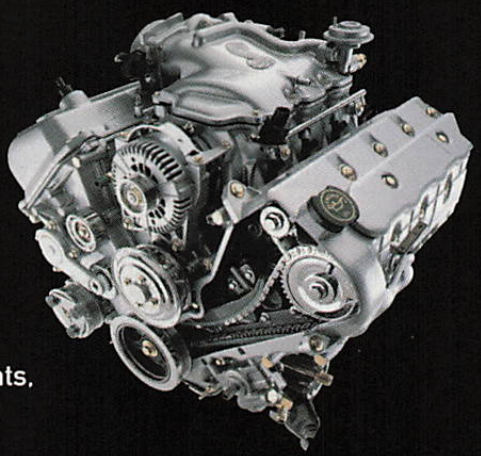
WHEN PLANNING YOUR PROJECT, THINK INSIDE THE BOX—OR AT LEAST A FORD RACING CRATE.
No matter what you're building, Ford Racing's got a crate engine to fit your project—and your wallet:

- Ford Racing's premium, 5.0-liter all-aluminum, DOHC, Cammer V-8 **400+ hp**
- Pushrod V-8s, from 302s to 514s, for there's no replacement for displacement **240 hp to 625 hp**
- Factory overhead-cam V-8s for high-tech, modern power delivery **305 hp to 320 hp**
- Factory inline-fours for lightweight, compact performance **130 hp to 170 hp**

Every engine developed using the engineering expertise of Ford Motor Company. And every engine is backed by Ford Racing's 12-year/12,000-mile limited warranty.

Ford Racing also offers the drivetrain components you need to finish your ride—from the valve covers all the way back to the differential.

Get Out of the Box



YOUR ONE-STOP HOT ROD SHOP

Not sure where to start, or have a question? These Ford Racing dealers are staffed with hot rodders, just like you, always willing to help you sort out your project.

With unmatched crate engine options, a full line of drivetrain components, and expert advice, Ford Racing is your one-stop hot rod shop.

TEAM C PERFORMANCE CENTER
16706 Lakewood Blvd.
Bellflower, CA 90706
562-866-3887
www.teamc.com

COLLEY FORD
1945 Auto Center Dr.
Glendora, CA 91740
909-592-4131
www.colleyford.com

HAWAII RACING, INC.
21 W. Easy St. # 101
Simi Valley, CA 93065
805-583-8880
www.hawaiiracing.com

WAYNE AKERS FORD
2000 10th Ave. N.
Lake Worth, FL 33461
561-582-4444
800-858-7544
www.wayneakers.com

MUSTANGS UNLIMITED
2505 Newpoint Pkwy
Lawrenceville, GA 30043
770-446-1965
800-243-7278
www.mustangsunlimited.com

JOHN BLEAKLEY FORD, INC.
870 Thornton Rd.
Lithia Springs, GA 30122
770-941-5300
800-328-8517
www.johnbleakleyford.com

ROD BAKER FORD SALES
23210 W. Lincoln Hwy
Plainfield, IL 60544
815-436-5681
www.rodbakerford.com

FORTE'S PARTS CONNECTION
376 R. Cambridge St.
Burlington, MA 01803
781-273-9900
www.fortesparts.com

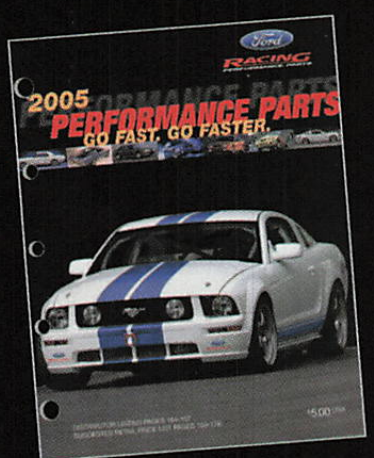
DRIVE TRAIN SPECIALISTS
26400 Groesbeck Hwy
Warren, MI 48089
800-209-0874
www.drivetrainspecialists.com

SUNSET AUTO CO., INC.
11700 Gravois Rd.
St. Louis, MO 63127
314-843-7005
888-917-9230
www.sunsetautoco.com

HOLCOMB MOTORSPORTS, INC.
900 Hardin Rd.
Lumberton, NC 28358
910-739-0747
800-475-7223
www.holcombmotorsports.com

SEAN HYLAND MOTORSPORT
691 Jack Ross Ave.
Woodstock, Ontario N4V 1B7
519-421-2589
www.seanhylandmotorsport.com

TOMMIE VAUGHN MOTORS
767 N. Shepherd, Ste. 100
Houston, TX 77007
713-869-4755
800-944-4415
www.tommievaughnmotorsport.com



For an on-line catalog and a complete listing of Ford Racing Performance Parts dealers, please visit: www.fordracingparts.com

Tech Hot Line: 586-468-1356

Ford RACING PERFORMANCE PARTS

RODDER MAIL

SOMETIMES THE BALL & SOMETIMES THE BAT

I thought I'd share a little of my road trip from Bakersfield to Oklahoma City for the NSRA Southwestern Nationals. A total of 2,890 miles, 400,000 bugs, two blown header gaskets, one broken tailpipe hanger, one hell of a lot of fun, and a National Field Directors Pick Award made for a great weekend. Not bad for a homebuilt 1932 Ford five-window coupe.

The picture is self-explanatory.

Joe McIntyre
Via the Internet

Sometimes it just doesn't pay to be be the guy who has to clean the car!

CONGRATS TO AN ADVERTISER

I would like to comment about one of you advertisers. Namely, Sanderson Headers. I had a problem with the flanges starting to rust. I called and talked to Nyla and she couldn't have been nicer. She said to send them back and they would recoat them for nothing. I talked to Jeremy there and he assured me they would be done ASAP, and they were. Within three weeks the headers were back to me and back on my engine. These are my third set of Sanderson Headers and I'll never buy any other brand. Not only do they stand behind their product, but they don't leak.

Mario Cosentino
Johnson City, NY

I believe we would call that a home run on all fronts: satisfaction with both the advertiser and the product. Nice goin', Donna Smith (Grand Fromage of Sanderson).

BODY SLAM

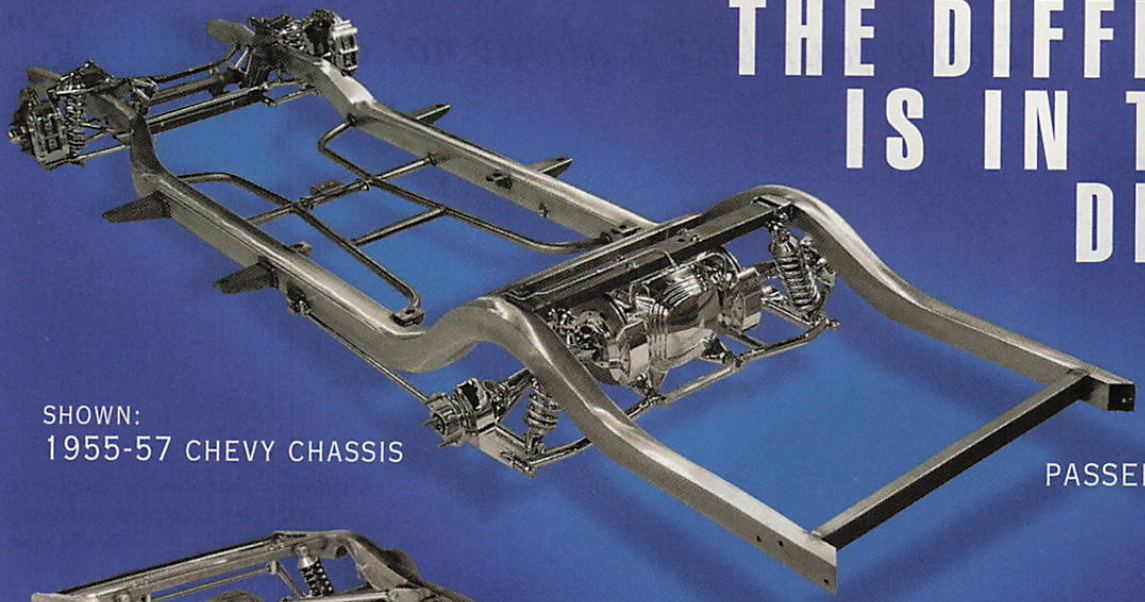
Every once in a while something special happens. Ken Gross' article on Northeast slammers in the '50s drove that point home literally for me. On page 101, in the center of the left-hand photo column is a black and white, early pic of Wild Bill Neumans' roadster, and if you know Bill at all, you can reckon there's dry humor in that nickname.

We all resided in a town with Liza Minnelli (whom we did not really know well), Bill, his close friends like Chuck Sanford, Eddy Watts, Frank "the Tube" Smith, Cropsey, M. Labow, Bob Drake, and our rowdy crew of burgeoning rodders all grew up during those very times. In fact, many of us attended Wally Parks' first sanctioned 1/4-mile event at Allentown Airport, on US 22, in Allentown, Pennsylvania, in '56 together. We also frequented the Westchester Rod & Custom Show, an annual event at the Westchester County Center, or the once famous Rod & Custom Car Show in Waterbury, Connecticut, among other events, and things like bench racing in Neumanns driveway, or going to see the private plane crashed in the Duck Pond near the public library ... anyhow you get the "picture."

I see Bills' Deuce still has the ol' 59AB Flatty block and a blanket interior in it, prior to his getting the white Naugahyde interior to accent his raucous red paint job. The published photo was taken several years prior to the fateful day Bill decided to hang a "bent 8 Stovebolt" in his roadster. Soon after, he packed it up, splitting from the dirty side and going to the shaky side to work at a publication. I understand he still resides in SoCal to this day. It appears the published photo was taken in the left-side bay of Bills' parents' spacious garage in the locale I've been making reference to herein. I did not know Wild Bill was as impressed with us as we were with him. Hell, he may not even remember us, but *SRM* jogged my

CHASSIS

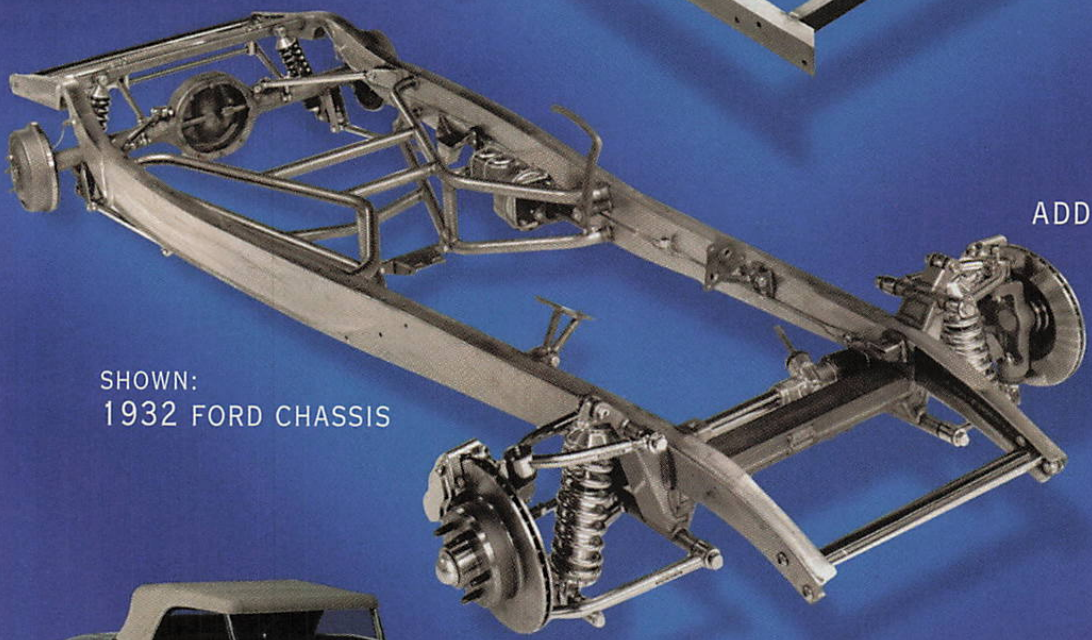
THE DIFFERENCE IS IN THE DETAILS



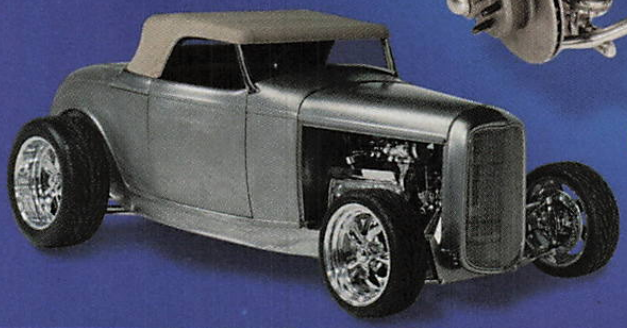
SHOWN:
1955-57 CHEVY CHASSIS

PASSENGER & PICK-UP CHASSIS
1928-48 FORD
1931-35 CHEVY
1940 CHEVY
1955-57 CHEVY

ADDITIONAL PICK-UP CHASSIS
1953-56 FORD
1946-59 CHEVY



SHOWN:
1932 FORD CHASSIS



EXCLUSIVE MIDWEST DISTRIBUTOR FOR THE ALL STEEL DEARBORN DEUCE CONVERTIBLE 32 ROADSTER

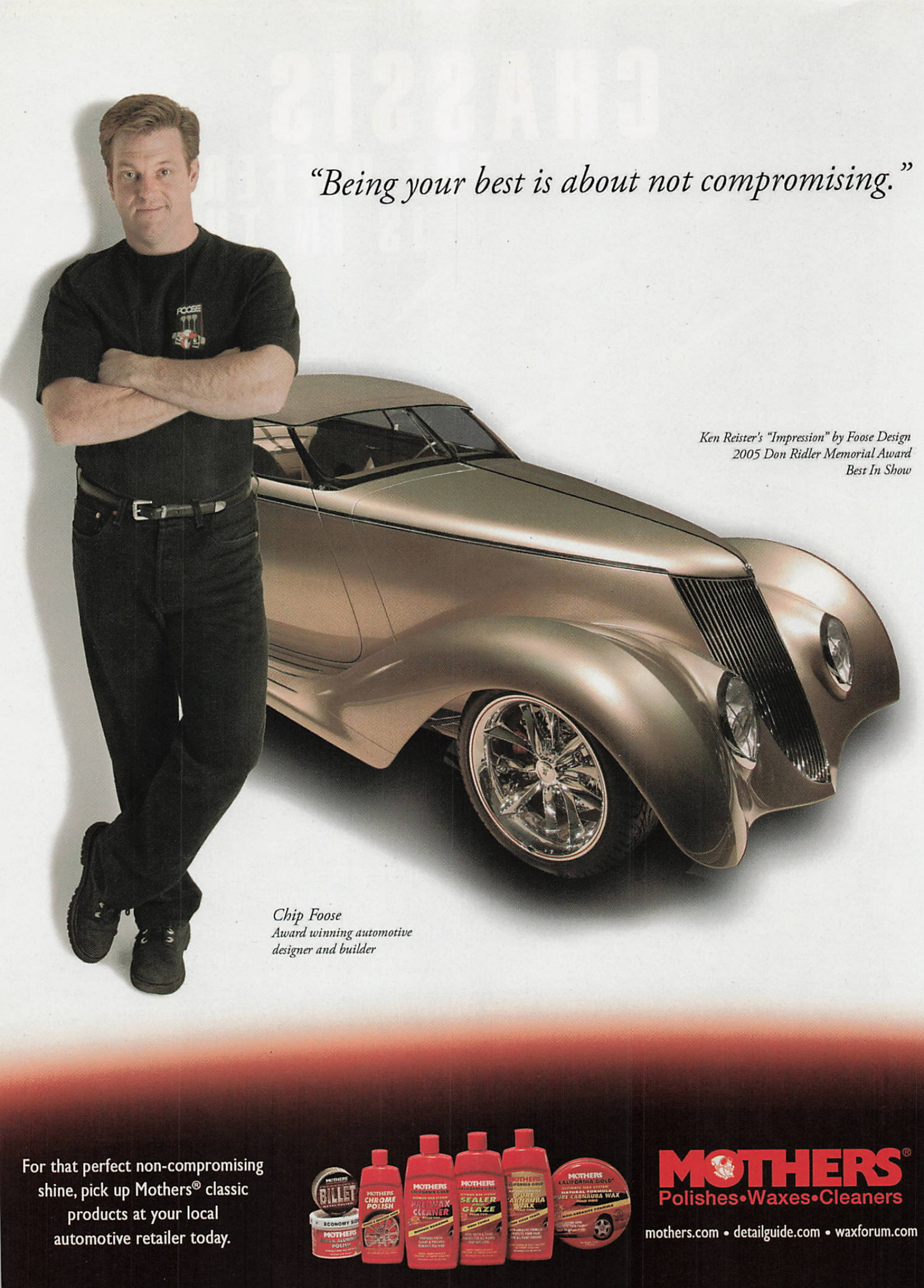
BODY AND CHASSIS PACKAGES IN STOCK WITH TURN KEY COMPLETION ALSO AVAILABLE

CUSTOM CHASSIS FABRICATION • BUILDING THE BEST FOR 20 YEARS

ROADSTER SHOP

275 N. GROVE AVE. ELGIN, ILLINOIS 60120 P.847.742.1932

WWW.ROADSTERSHOP.COM


"Being your best is about not compromising."
Ken Reister's "Impression" by Foose Design
2005 Don Ridler Memorial Award
Best In Show
Chip Foose
Award winning automotive
designer and builder
For that perfect non-compromising shine, pick up Mothers® classic products at your local automotive retailer today.
MOTHERS®
Polishes•Waxes•Cleaners
mothers.com • detailguide.com • waxforum.com

memory big time with that tiny photo.

I'm familiar with a few and recall many of the other slammers in *SRM*'s piece, or at least names of their owners/builders and those cars. I've often wondered where they are now. My favorite uncle returned home from after a tour of duty stationed in San Diego during WWII in the USN.

Unlike all my friends' uncles, my uncles' photo collection was the birth and dawn of rodding in pix documentation of SCTA members, their cars, activities, locales, Muroc, El Mirage, etc. ... early L.A. Roadsters club photos, Barris brother, Chrisman brothers, and so forth in the early '40s. All of which he carried back to the Southern Hudson Valley region of New York State while it was still fixated on jalopies, 23 Skidoo, ah ooga horns, 'coontails, blue dots mud flaps, and lighted curb feelers plus all those venerable exhaust-powered accessories from humongous echo cans to wolf whistles, flame throwers and cut outs. He/we helped change direction quick.

My '37 flatback Tudor V-8/60 soon sported complete '48 Merc running gear and tweaked powertrain, all received by trading a V-8/60 powerplant and running gear to a 1/4 midget racer for use in his comp car. By 1950 my uncle's pristine, slightly warmed, 21 stud Flattie-powered, '36 phaeton sported a Caddy with a LaSalle three-speed, Olds rearend, and open driveline with juice brakes—an early example of Westchester style street rods.

So thanks for refreshing all those memories. BUT where's your "Survey & Question of the Month," huh? It said to come here to this site in the side accompanying "Rodder Mail" column at the bottom ... so I'm here ... ?

Thanks again, keep up your strong efforts and quality work, I know I appreciate your results. Good job guys.

P.C. Lowenstein
East Central, FL

The story "Body Slam" by Ken Gross has struck a cord with readers based upon the letters we have received—although some aren't as positive, but we will get into that later. Glad the memories were good and let's all of us keep generating those good ol' days.

A LITTLE MORE SLAM

See the two black and white photos of Paul FitzGerald's roadster in the May issue on pages 104 and 106? If anybody wants to know what happened to that car, well, it's a sad story. My *stoopid-ass* brother bought it from Paul back in '65 and drove it for a while. (He let me drive it once.) But he didn't maintain it very well, to say the least. The last time I saw it, the frontend parts and some of the engine were piled into the seat and it was covered in an inch of dust. I don't know what he did with it eventually.

That roadster has (had) an independent front suspension that either Fran Bannister or Paul Fitz fabricated in a shop somewhere in New England, a 265ci Chevy with three two-barrel carbs, red and white upholstery, and a throttle pedal mounted all the way over to the passenger side because it was channeled so low. I don't remember if it was a three-speed or four-speed transmission.

That car was featured many times in those old small-format car magazines. (www.fitzgeraldengineering.com/bowes.htm) I have since found out that Paul has re-acquired the car in pieces from someone in New Jersey. That may be the guy who got it from my brother, I don't know, but Paul's going to rebuild it.

Thomas De Lello
Miami, FL

DEUCE HATER

As I was perusing my copy of *STREET RODDER* for the month of March 2005, I happened across a "Rodder Mail" from Mike Epstein. I was almost thrown off of my chair when, in my amazement and uncontrollable delight, I saw the words, "If you have seen one Deuce, you have seen them all." I swear that I heard angels singing and bells ringing. It seemed that the sun got just a little brighter. I believe there was a rousing AMEN that thundered throughout the halls of rodderdum.

Since I am a compassionate man, I feared the judgment that the writer might receive. It is literary suicide to

New Look
Same Great Products

Leather Cleaner
Bathes leather as it safely lifts impregnated dirt, grime and stains. Prepares leather for our Leather Conditioner.

Leather Conditioner
Lanolin and neat's-foot oil formula preserves natural oils lost with age. Leaves protective barrier that helps seal out detrimental effects of sun, time and daily abuse.

Wheel Mist® Chrome/Wire
Powerful one step shine for chrome wire wheels, chrome bumpers and roughcast aluminum.

Wheel Mist® All Wheel
Spray on, hose off every type of grime, grease, brake dust and dirt. Gentle to clear coated, anodized, polished, color coated, modular and factory treated wheels and

Protectant
Preserves, protects and reconditions. Maintains original condition and appearance of dashboards, vinyl, bumpers, trim, tires and more.

Pick up Mothers® classic products at your local automotive retailer today.

MOTHERS®
Polishes•Waxes•Cleaners

mothers.com • detailguide.com • waxforum.com

MARCH
PERFORMANCE PULLEYS & BRACKETS
Performance Serpentine Systems With Style!
"Carbon Fiber Ultra"
Front Mount Chevy
Small & Big Block
Alt. A/C &
Power Steering
A unique combination of March Performance classic styling with hints of modern high tech carbon fiber materials, Now available with matching billet air cleaner & valve covers.
Shown with our Futura Air Cleaner and Valve Covers
"Mid Mount A/C"
Small & Big Block Alt.
A/C & Power Steering,
Long Water Pump
Kits Starting from $808.44 SB and $839.94 BB
Made in the U.S.A.
"ULTRA" Front Mount
Chevy Small & Big Block Alt. A/C & Power Steering
Kits Starting from $1749.00
"New Billet"
Alternator & Power Steering
Shown with Futura Air Cleaner and Valve covers
Styling Where it Counts
We at March Performance design our kits so the styling shows through where it is important, when it is installed in the car and viewed from the top.
Our Competitors Kits Viewed from the Top
See our web site at www.marchperf.com for a complete line of serpentine and V-belt pulleys and brackets, Air Cleaners, Valve Covers and Accessories
Call Free 1-888-729-9070
March Performance, 6020 Hix Road, Westland Michigan 48185

speak so disparagingly about what *SRM* considers the flagship of our hobby. With hopes that he found a safe exile, I had a spring in my step and new hope for the future. I would envision possibly opening the door a crack or peeking under the curtain of the future where *SRM* would embrace broad-minded journalism. Yes, the future looked bright in rodderville.

Alas, the May 2005 issue dashed my hopes and dreams. Across the top blazed the title *Street Rod of the Year*. I hastened to open up my copy, hardly noticing a black cookie-cutter, stamp-out '32 Ford roadster. I couldn't believe my eyes when inside was the article of that very '32 roadster. What ingenuity, what originality, what foresight, what expression. Another small-block Chevy powered '32 with a Ford 9-inch rearend. What happened to the brave new world that I was envisioning just one month before? I can only conclude that Old Henry caught someone doing something evil and is blackmailing them, or all of the judges own '32 Fords. I suppose that I, and scores of other rodders, will have to wait, dream, and hope that in the future the '32 Ford will become one of many, rather than, as you believe, many trying to duplicate one.

Dave Hoffman
Via the Internet

Damn, if this is your only complaint about STREET RODDER *in this or any other issue we can live with that. We run "so many" Deuces as a means of keeping rodders on their "toes" everywhere. Just image picking up an issue of* SRM *and not having something to moan and groan about? We consider this a victory of sorts—faint praise if you will.* SR

SANDERSON HEADERS

Sanderson's Deliver!
First in Fit, Finish, and Performance!

Over 120 Designs for Street Rods, Customs, Street Machines & Classic Trucks

Small Block Chevy

CC1LS1 New!

New design for LS1 heads places the collector slightly off center. Fits tight to block and measures only 7-3/4" from center of flange to the bottom of the collector.

Plain Steel $285
HiTemp Ceramic Silver $465

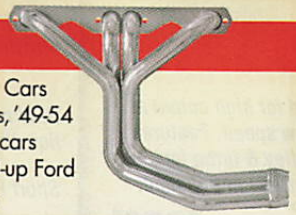
CC1DP

'27-48 Cars and trucks, '58-64 Chevy cars, '67-69 Camaro, '49-up Ford Pickups.

Fits GM D-port and Fastburn heads, and most aftermarket D-ports. 1-5/8" primary tubes and a 3" collector. Measures just 6-3/4" from center of flange to bottom for great chassis clearance.

Plain Steel $225
HiTemp Ceramic Silver $375

C3



'30-41 Cars & trucks, '49-54 Chevy cars & '53-up Ford F100s.

Fits tighter than stock manifolds and exits higher than the oil pan. Great spark plug access. Works with most stock steering and all R&P setups. Fits all starters and transmissions EXCEPT cast iron Powerglides.

Plain Steel $345
HiTemp Ceramic Silver $535

QP1000

Street rods and '49'63 Chevy cars, '67-69 Camaro, Corvettes, Classic Ford and Chevy trucks.

Our exclusive cast headers give you both low end torque and high end horsepower, plus unique styling. Most popular Tri-5 Chevy header available!

Plain Steel $335
HiTemp Ceramic Silver $495

Big Block Chevy

BB1

'32-48 Cars and trucks, '55-63 Chevy cars, '49-54 Chevy & '48-up Ford pickups.

Tight fit eliminates steering, chassis and ground clearance problems. 1-7/8" tubes and 3" collector for top performance!

Plain Steel $265
HiTemp Ceramic Silver $415

C5

'32-48 cars & trucks. For '27-31's, specify C5A.

A proven performer with great ground clearance. Fits with any front or side motor mounts and Mustang cross steering or rack and pinion.

Plain Steel $355
HiTemp Ceramic Silver $545

Cadillac

CAD500

Most street rods and later model cars and trucks without a crossmember under the center of the engine.

Big 1-7/8" tubes and 3" collectors really wake up the Cadillac 500 engine!

Plain Steel $295
HiTemp Ceramic Silver $445

Ford

FF1

'27-48 Ford cars & trucks, '48-52 F1 pickups and '55-59 full size Ford cars.

Great fit for 289-351 Windsor motors. Good starter and plug clearance, and works well with both cross steering and R&P front ends.

Plain Steel $265
HiTemp Ceramic Silver $415

Mopar Wedge & Hemis

DD1

'30-41 Cars and trucks, later model B and C code chassis, '80's Ram series trucks.

Compact performance header for small block 318-360 engines. Requires 3" between motor and steering and/or chassis.

HiTemp Ceramic Silver $415
Plain Steel $265

DD3

'32-41 Cars and trucks, '49-54 Ford and Mercury cars.

Maximum ground clearance and tight fit for 331-392 Hemis. Work with most steering and tranny setups, and feature 1-7/8" tubes and 3" collectors for big power gains!

Plain Steel $295
HiTemp Ceramic Silver $445

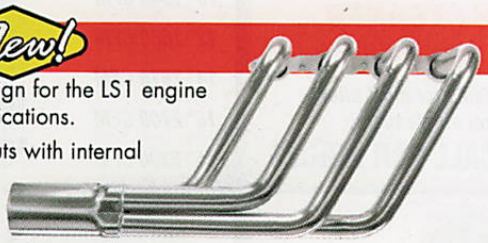
Roadster

CRS LS1 New!

Classic sweptback design for the LS1 engine in outside chassis applications.

Include 26' long turnouts with internal mufflers that slip over the collector for a clean, good looking installation. Available in plain steel, chrome, or high temp ceramic silver finishes.

This new style also available for Ford 289-351W!



Rod builder Dave Simard built this beautiful chassis for his personal Deuce roadster.

PHOTO COURTESY STEVE COONAN, THE RODDER'S JOURNAL MAGAZINE.

Lime Fires!

Our popular lakes style headers are a natural for T's, A's and '32-up highboys. We build them to fit all popular and nostalgia V-8's

Hook up to your under chassis exhaust. Blockoff plates are included, but can be dressed up with finned polished blockoffs, or turnout tips. Choose plain steel, chrome, or high temp ceramic silver finishes. Please call for prices.

Patented Leak Free Flange ▸ In House HiTemp Ceramic Coating ▸ Over 120 Designs

SEMA · SEMA SRMA STREET ROD MARKETING ALLIANCE · Goodguys Rod & Custom Association · NSRA

1-800-669-2430

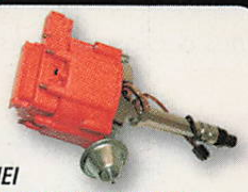
VISA · MasterCard

www.sandersonheaders.com • 517 Railroad Avenue South San Francisco CA 94080

Yearwood SPEED & CUSTOM

SINCE 1968

VISIT OUR BOOTH AT MOST MAJOR STREET ROD EVENT



HEI
DISTRIBUTOR
New polished aluminum distributor with 50,000 volt coil.
$129.95

CHROME
ALTERNATORS
Designed for high output at idle & low speed. Features Billet pulley & turbo fan. Triple chrome or polished. 100 AMP.
$99.95

S.B. Chevy CHROME
WATER PUMPS
NEW not rebuilt. 30% more flow than stock.
Short Pump $69.95
Long Pump $74.95

STAINLESS STEEL
RADIATOR HOSE
Chrome plated with polished aluminum ends. 48" kit makes two hoses.
24" Kit $44.95
36" Kit $64.95
48" Kit $79.95

CHROME HALON
FIRE EXTINGUISHERS
With brackets.
1.25 lb $99.95
2.5 lb $149.95

POLISHED BILLET
STEERING WHEELS
3 or 4 spoke. Tear drop or double slot. Available in 9 colors. $124.95
With polished aluminum adapter & horn button for GM columns. $179.95

NEWSTALGIC
BANJO
15" leather wheel with stainless spokes. Built-in GM adapter. Horn button not included. Available in 9 colors.
$350.00

INTERIOR
LIGHTS
Oval or tear drop. Satin or polished.
$35.95 EACH

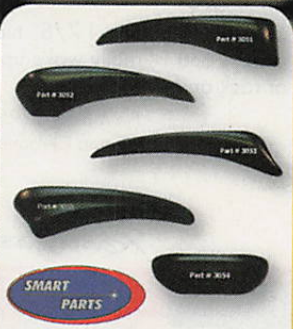
MATCHING
BRAKE PAD
$34.95

OVAL
GAS PEDAL
Polished billet aluminum.
$119.95

CRUISE
CONTROL
Requires no vacuum.
Non-computer engines $229.95
Computer engines $199.95

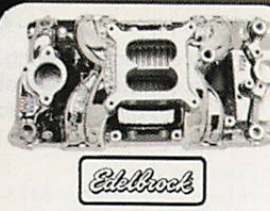
LIFETIME
AIR CLEANER ELEMENTS
Available for most after market air cleaners.
CALL FOR PRICES

ELECTRIC FANS
10" 1340 CFM $39.95
12" 1650 CFM $49.95
14" 2670 CFM $54.95
16" 2700 CFM $69.95
16" 3300 CFM $99.95



ARM RESTS
$54.95 PAIR

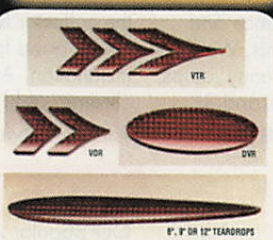
STAINLESS STEEL
A/C HOSE KITS
Enough braided stainless hose and fittings to plumb your A/C.
$349.95



SHOW QUALITY ENDURASHINE™
MANIFOLD
The look of chrome without the price. For S.B. Chevy.
$199.95

LED
TAIL LIGHTS
Super bright LED'S built into the lens. Simple plug-in installation. Available for '38-'39 Ford & '41-'48 Chevy. Lens only.
$59.95 PAIR

POWER BRAKE
PEDAL ASSEMBLY
Complete Assembly $249.95
Pedal & Bracket $114.95
7" Booster $89.95
1" Bore Master Cylinder $59.95



TAIL LIGHT
LENS
Priced from $40.00 PAIR

HEAD LIGHT
Autonik 7" halogen head light replaces standard seal beam. Features integral directional & running light.
$189.95 PAIR

LED
TAIL LIGHTS
Flush mount. Stainless bezels.
'38-'39 Ford $99.95 PR
'41-'48 Chevy $99.95 PR
'40 Ford $114.95 PR

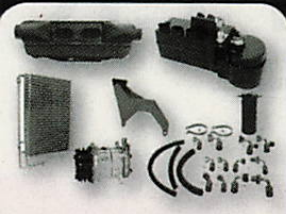
CORRECT ALIGN
ALTERNATOR & COMPRESSOR BRACKET
Polished billet aluminum. No holes to drill. Includes both brackets, adjusting rods & hardware for SB Chevy.
$239.00

5 GAUGE
STREET ROD KIT
Speedometer, oil pressure gauge, water temperature gauge, fuel gauge, voltmeter & ALL senders. With programmable electric speedometer Series One, Vision, Cockpit, Cockpit Royal, & Heritage Gold
VDO INSTRUMENTS
$279.95

COMPLETE
WIRING KIT
12 CIRCUIT
For GM keyed columns $259.95
For all other columns $249.95
Fuse block only $89.95
18 CIRCUIT
For GM keyed columns $299.95
For all other columns $269.95
Fuse block only $119.95

SOME PARTS ARE NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE.

37 YEARS OF QUALITY PARTS & SERVICE



COMPLETE
SYSTEMS
With lifetime warranty.
Starting at **$795.00**

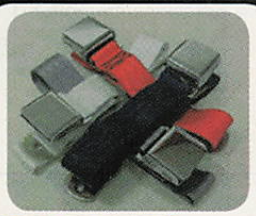
ALL NEW
GEN II UNITS
Now in stock.
CALL FOR PRICES

COMPRESSORS & HARD LINES
New Sanden 508 compressors for R12 or 134A with serpentine or v-belt.

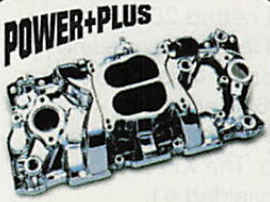
Plain compressor	$189.00
Polished compressor	$219.00
Chrome compressor	$259.00
Polished hard lines	$39.95

STAINLESS STEEL
STEERING COLUMNS
These 6 position tilt columns feature all new parts & come paintable or highly polished.

Paintable	$279.95
Polished	$399.95

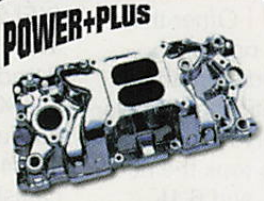


SEAT BELTS
Black, Tan, Bright Red, Grey, Dark Blue or White. Chrome buckle. Mounting hardware included.
$29.95 EACH



POLISHED ALUMINUM
MANIFOLD
Idle to 5500 RPM.

SB Chevy	$149.95
BB Chevy	$179.95



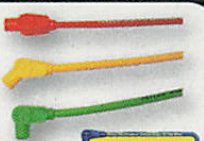
POLISHED ALUMINUM
MANIFOLD
1500 to 6500 RPM.

SB Chevy	$159.95
SB Ford	$179.95

POLISHED STAINLESS
OVERFLOW TANKS

13", 15", 17", 19"	$34.95
3"x10" or 3"x16"	$39.95

NO SHOW
ANTENNA
$39.95



8MM
SPARK PLUG WIRES
Red, Blue, Black, White, Yellow, Purple, Hot Pink, Hot Green, Hot Orange, & Teal. 100% silicone withstands up to 600°. Low profile silicone boots.
$52.95 SET

LICENSE PLATE
RETRACTOR
Electric retractor wires to ignition switch. Down when on, up when off.
$199.95

CALIFORNIA
MIRRORS
These paintable mirrors include screws, all hardware, & passenger side wedge.
$59.95 PAIR

SWAN NECK
MIRRORS
4" polished, stainless head with chrome arms.
$59.95 PAIR

LED
TAIL LIGHT BULBS
These LED bulbs replace the standard 1157 bulb.

Super Bright	$9.95 EA
Ultra Bright	$14.95 EA

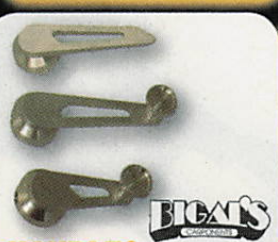
SPECIALTY POWER WINDOWS®

POWER WINDOW KIT

2 Window Kit	$399.00
4 Window Kit	$775.00

ALL AMERICAN
GAUGES
CLASSIC INSTRUMENTS
These new gauges feature a dome lens & machined finish dial. The 5 gauge kit includes elect speedo, fuel, oil, temp & volt gauges & all senders. The 6 gauge kit includes a matching tach.

5 Gauge Kit	$495.95
6 Gauge Kit	$595.95



HANDLES & CRANKS
Billet aluminum. For early or late Ford or Chevy.
$49.95 PAIR

POLISHED BILLET ALUMINUM
WIRE LOOMS
2 piece. For SB & BB Chevy. Smooth top. Ball milled or Heartbeat style.

Early SB & BB	$59.95
Late SB	$69.95

HALOGEN
HEAD LIGHTS
Replaces 5¾" or 7" sealed beam. Diamond pattern reflector with 3 bars and blue dot.

$39.95 EACH	$59.95 PAIR

STAINLESS STEEL, FRAME MOUNT, DROP OUT
BATTERY BOX
$169.95

Yearwood SPEED & CUSTOM
114 C DAVIS ROAD • AUGUSTA, GA 30907
PH 706-854-8626 • FAX 706-854-8628

ORDER TOLL FREE **800-444-3331**

OR ORDER ONLINE
www.yearwood.com

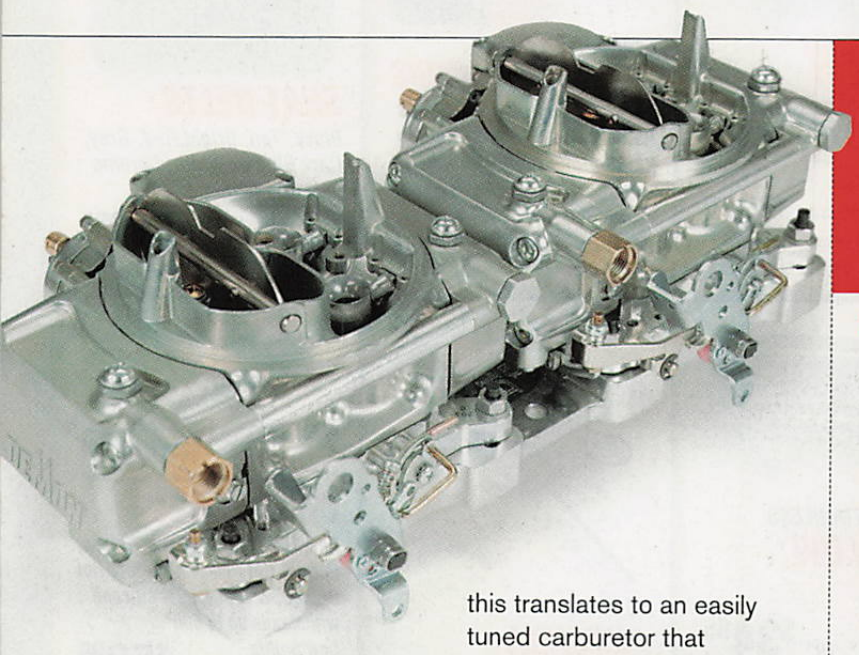
VISA MasterCard DISCOVER

FREE
HAT WITH PURCHASE OF $200 OR MORE

SOME PARTS ARE NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. PRICES SUBJECT TO CHANGE WITHOUT NOTICE. PRICES F.O.B. AUGUSTA, GA.

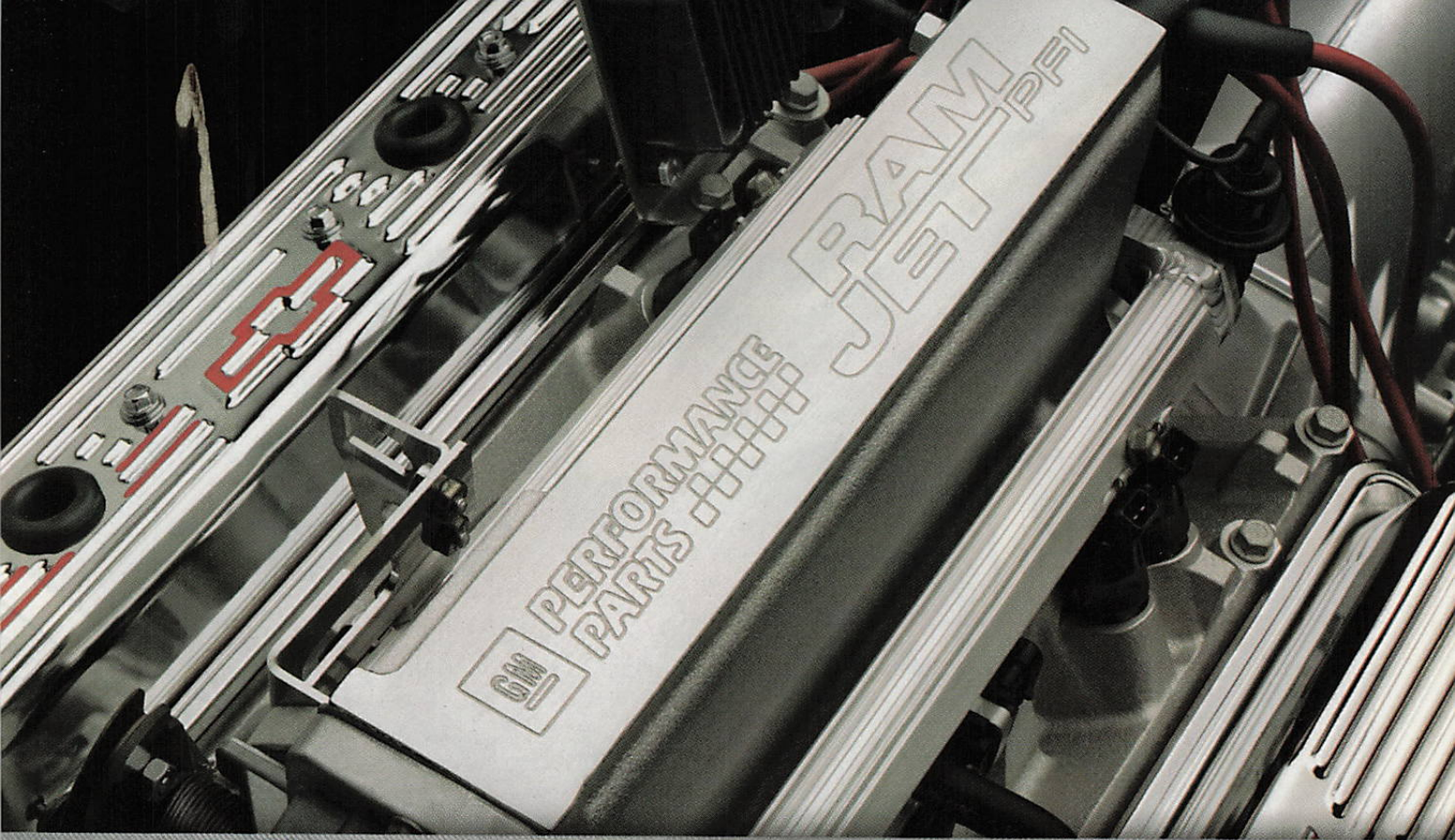
WINDOW SHOPPER

The publishing of products in Window Shopper is not an endorsement of these items by the *STREET RODDER* staff or by Primedia Inc. This material is as represented by the manufacturer only; these products have not necessarily been used or tested by us. —Ed.



BLOWN ASPIRATIONS | Not since the days of Esau and Jacob have we seen such a rambunctious pair of twins. Barry Grant addressed a few tuning specifics to create what's possibly the first boost-referenced production inline twin carburetor system for Roots-style superchargers; and, Demon Carburetion offers these twins in 525-, 625-, and 725-cfm capacities for various applications. This boost-reference tuning transforms the carburetors' power valves into load-sensing devices that respond precisely to the unique demands of a supercharged engine. The eight venturi bores align with their corresponding intake runners to yield superb distribution and atomization and impressive fuel economy. Furthermore, this alignment eliminates hesitation and surging, promotes stable idle, and crisp throttle response. All this translates to an easily tuned carburetor that provides astounding power. These carburetors include vacuum-secondary activation, compact side-hung fuel bowls with sight glasses, two-corner idle adjustment, and secondary metering plates. Barry Grant also eliminated carburetor synchronizing nightmares with a spherical bearing-free, simple, and easy-to-adjust inline linkage. Finally, Demon Carburetion wet-flow tests and baseline calibrates these carburetors at the factory and supplies them with a detailed tuning manual. For complete information, write Demon Carburetion Inc., 1450 McDonald Rd., Dahlonega, GA 30533; call (706) 864-8544; or visit www.barrygrant.com.

ON THE CAM | Other than looks, there's only one reason to build something around a Hemi: sheer power. It's for that very reason that COMP Cams took the neo-classical 5.7L and 6.1L Hemi engine back to the drawing board to extract a bit more power—up to 61 hp more, to be exact. COMP designed their new XFI (Xtreme Fuel Injection) camshaft line dramatically increases engine horsepower and torque yet works with all OEM vehicle computer systems. The three profiles (XFI 260, 268, and 273) address specific applications from towing to street performance. Tests on a Hemi engine using COMP's #26918 beehive valve springs and upgraded exhaust, the mildest cam (XFI 260) netted 20 additional lb-ft of torque and 31 additional horsepower. The XE 268 camshaft produced 14 lb-ft of torque and 47 hp. The XFI 273 camshaft yielded 61 additional horsepower over 4,500 rpm. For more information about COMP Cams' XFI-series camshafts, write them at 3406 Democrat Rd., Dept. SRM, Memphis, TN 38118; call (800) 999-0853; or visit www.compcams.com. See the Hemi dynamometer video at www.compcams.com/hemi.



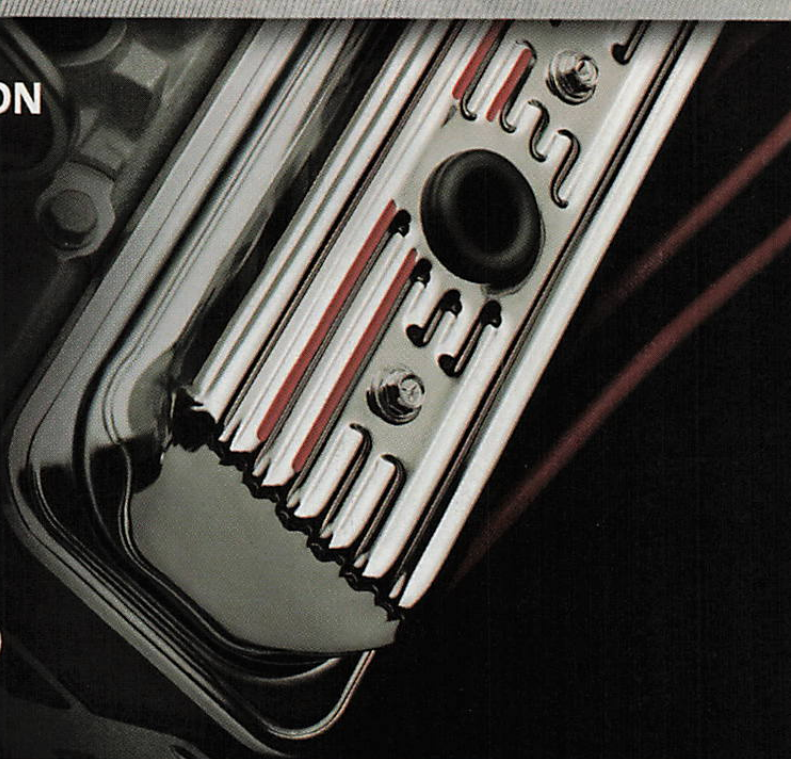
PROVEN.

GM PERFORMANCE PARTS

RAM JET 350 V8/4L60E TRANSMISSION

PART #: 12499120
HP: 350 HP @ 5200 RPM
TORQUE: 400 LB-FT @ 3500 RPM

- EFI intake honors early "Fuelie" small-block V8, but with better performance
- Based on cast iron, late-style block with one-piece rear main seal
- Hydraulic-roller camshaft provides performance sound and power
- Electronic, 4-speed trans (part # 12497318) great for performance and cruising



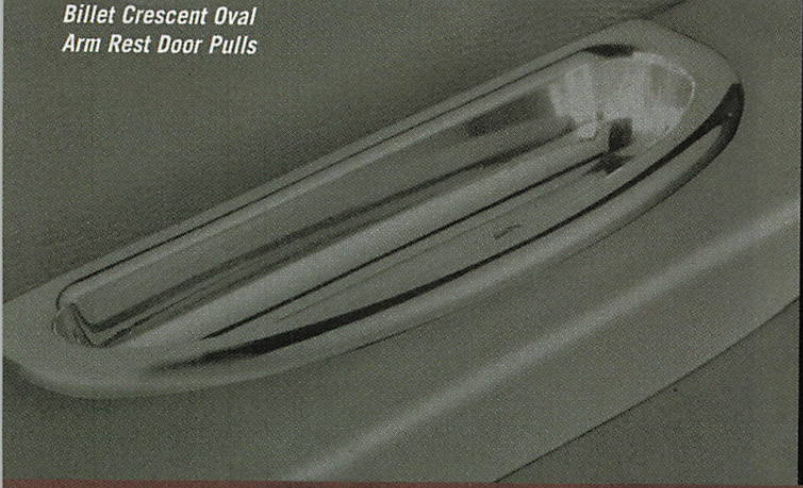
HEAR THE TESTING—GET THE INFO—WEAR THE COLORS

Log on to Goodwrench.com to see and hear a GM crate engine locked in savage battle with the dyno. Then call 1-800-577-6888 to find a dealer near you and get our full-line 2005 catalog plus T-shirt—all for only $10.

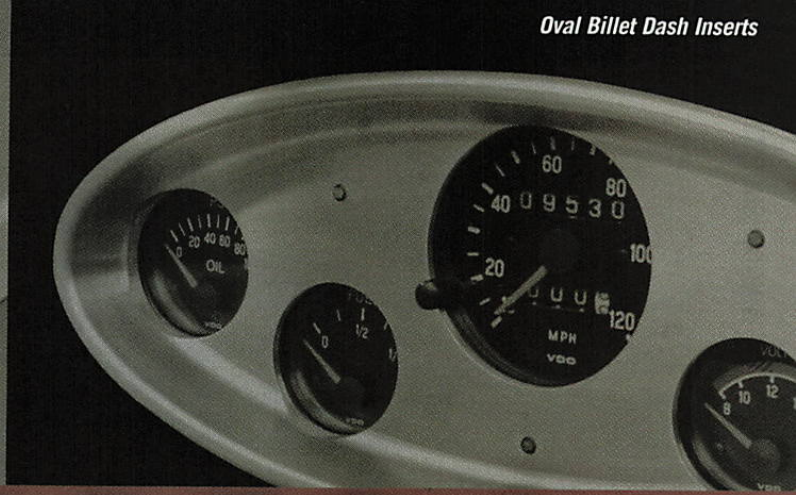
©2005 GM Corp. All rights reserved. GM® GM emblem® GM Performance Parts™

PIPE DREAM | At one point or another your project will require an exhaust system. The task represents a significant crossroad: Cheap it and suffer an inferior system or splurge and suffer a light wallet. Well, Classic Tube offers a third option: Build your own–to your exacting standards. Classic Tube maintains all the popular stainless steel tubing sizes to economically build a system from scratch or replace an ailing system. Classic Tube offers their SAE 304 (16-gauge) brushed stainless steel tubing from 3/4- to 3-inch straight lengths, U-bends, J-bends, and 90, 45, and 15-degree bends. They also offer popular head flanges, V-band clamps, flange assemblies, and straight overlapping tabs for a truly unique system. Just think, you too can create a high-performance system that's impervious to Mother Nature's ravages. For more information, contact Classic Tube, 80 Rotech Dr., Dept. SRM, Lancaster, NY 14086; call (800) 882-3711 or (716) 759-1800 in New York; or visit www.classictube.com.

ENGLISH LESSON | While most of us are familiar with the English wheel's versatility, not many of us can either afford the time to shop for individual components to build a hobby wheel or the space to house a professional-grade wheel. So MetalAce did a little homework and assembled the most popular components in a compact, versatile, and affordable package called the MetalAce 22B. The compact 27-1/2-inch-deep frame kit effectively rolls features to the center of a 44-inch panel of up to 16-gauge steel or 3/32-inch aluminum. The 29-inch-high frame locates the wheel's working height 16 1/2 inches from a bench top, or 42 3/4 inches off the ground when used with the optional welded floor stand. The versatile frame also easily clamps in a vise for mobile applications. Thumbscrews on both sides of the axle support true the anvil yoke and wheel to the upper wheel. This kit comes standard with one 2 3/8-inch radius anvil wheel yet MetalAce offers flat or 1-, 3 1/4-, 5-radius wheels as substitutes or as optional additional wheels. The kit also comes with 1045-alloy billet steel 8x2-inch upper wheel. For more information on MetalAce's line of metal-shaping tools, write MetalAce, 13958 Roberto Rd., Dept. SRM, Bloomington, IL 61704; call (800) 828-2043 or (309) 827-6878; or visit www.englishwheels.net.



Billet Crescent Oval
Arm Rest Door Pulls

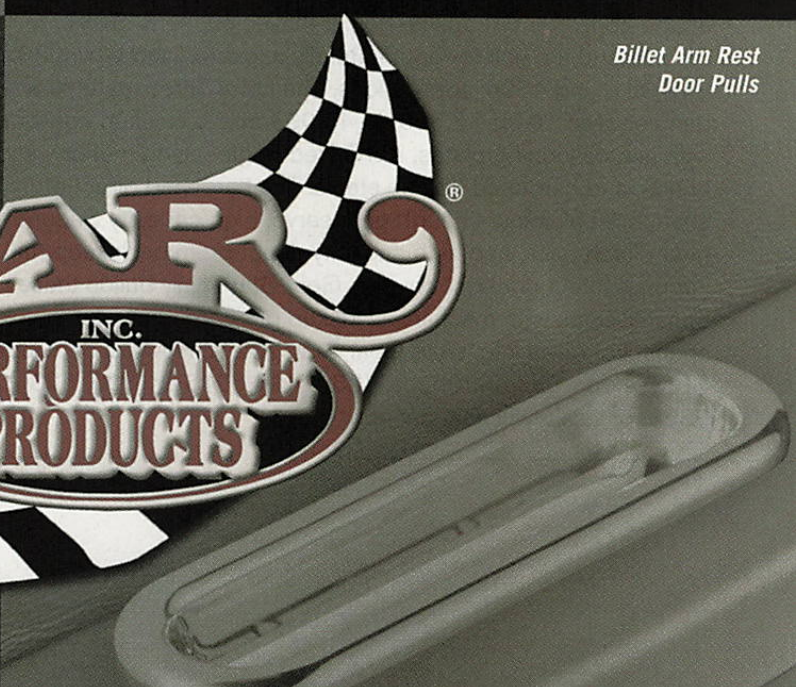


Oval Billet Dash Inserts

Enhancing Vehicles For The Decades

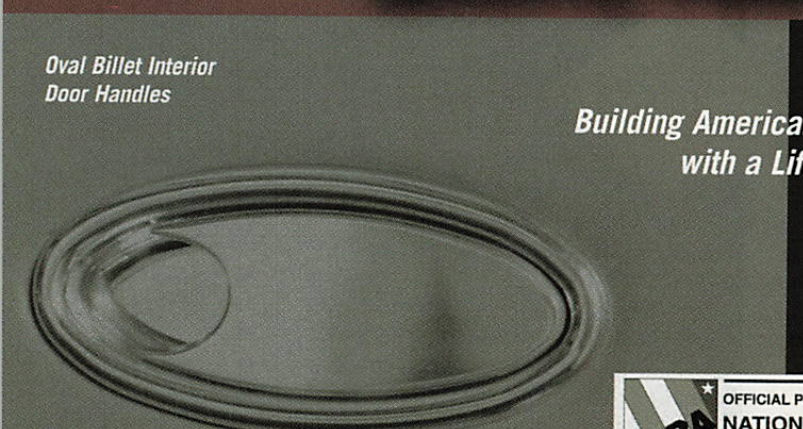
Billet Rectangular Indicator
Boot Ring/Vertical Mount

LOKAR®
INC.
PERFORMANCE PRODUCTS



Billet Arm Rest
Door Pulls

QUALITY... PLAIN & SIMPLE®



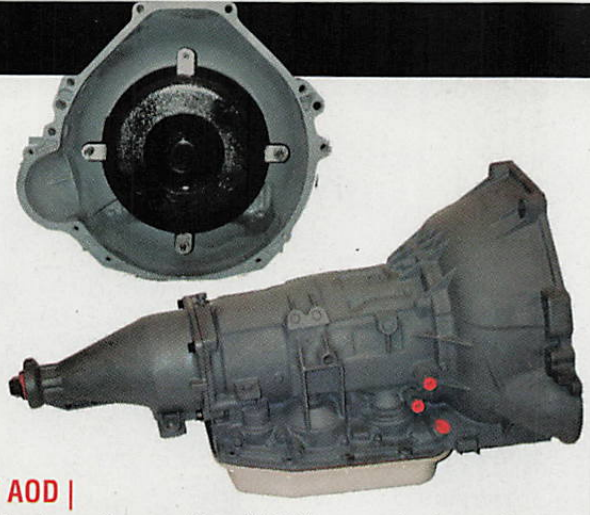
Oval Billet Interior
Door Handles

Building American Quality...
with a Lifetime Warranty!

Eliminator
Floor Mount
Gas Pedal

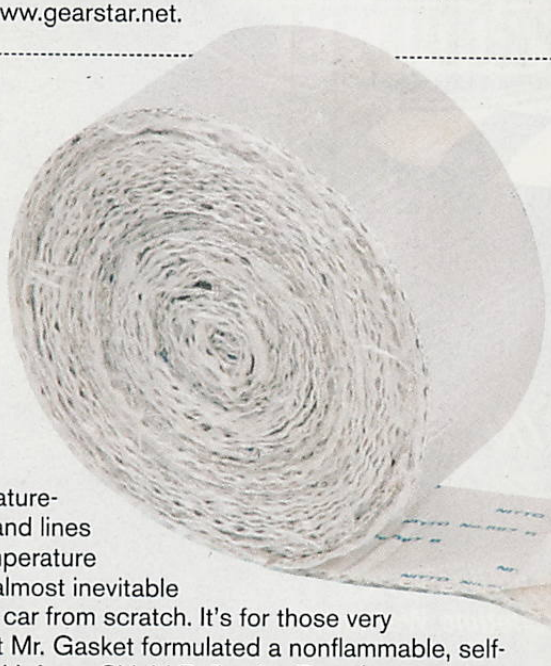
NSRA OFFICIAL PRODUCT OF THE NATIONAL STREET ROD ASSOCIATION

10924 Murdock Drive • Knoxville, TN 37932
(865) 966-2269 • fax (865) 671-1999
www.lokar.com • catalog@lokar.com



ALL-OUT AOD |

If the Ford automatic overdrive (AOD) transmission suffered from one thing, its bad publicity. Gear Star is out to change that perception. Gear Star rates their Level Three AOD street/strip transmission for use of up to 700 hp and 700 lb-ft of torque. Gear Star's Level Three transmission not only permits repeated aggressive launches from a dead stop with no adverse impact on the converter or transmission, it thrives on them. They recommend the unit for both naturally aspirated and blown 302, 347, 351, and 460ci applications. The Level Three features a damper-style 10-inch 2,500- to 4,800-rpm-stall lockup converter with anti-ballooning plates, ALTO Red Eagle racing frictions and bands, and hardened Kolene steels. The hardened direct-drum shaft, billet aluminum Fourth gear servo, high-capacity Second gear clutch pack, and high-capacity direct-drum pack keep the internals intact under heavy use. Gear Star finally builds these transmissions with mechanical lockup per Ford engineering specs. For more info, write Gear Star, 132 N. Howard St., Dept. SRM, Akron, OH 44308; call (330) 434-5216 or (800) 633-2353; or visit www.gearstar.net.



TEMP TAPE |

Routing temperature-sensitive wires and lines around high-temperature components is almost inevitable when building a car from scratch. It's for those very applications that Mr. Gasket formulated a nonflammable, self-adhesive-backed Inferno Shield Reflective Tape (part number 6323). Mr. Gasket designed this tape to specifically protect wires, lines, and cables. They make this tape from ultra-durable material that withstands 1,000-degree radiant heat and 500-degree direct contact. Mr. Gasket offers the water, fungus, and petroleum-resistant 1-1/2-inch-wide tape in 15-foot-long rolls for everything except exhaust components themselves. For more information on this and other Mr. Gasket products, visit www.mrgasket.com. Find a dealer in your area by calling (888) MR-GASKET, ext. 999.

TWIST AND SHOUT |

There's no doubt that the spiral-drive band clamp was one of the machine age's marvels. Anyone who has ever used one in a cramped engine compartment, however, will rate Ideal's flexible hose clamp driver right up there with the spiral-drive clamp itself. The driver's flexible shaft and no-slip grip facilitates quick, easy clamp installation and removal in hard-to-reach spaces. The Ideal flexible hose clamp driver shaft bends for 90-degree access in compact car and boat engines, sprinkler system installations and plumbing repair applications. The 5/16-inch nut-driver end captures and tightens clamps without slipping. Simply flip the socket over and use any 1/4-inch broached screwdriver tip. For more information, call Ideal at (800) 221-0100; or visit www.idealclamp.com.

Hot! Hot! Hot! New Gauges for your Dash.

FROM **TPI TECH INSTRUMENTS**

Five gauge mechanical set . . . **$163**

Five gauge set w/ prog. speedometer **$217**

Six gauge mech. set **$193**

Six gauge set w/programmable speedometer **$247**

Quartz clock **$49**

5" quad with programmable speedometer **$288**

3-3/8" quad with programmable speedometer **$248**

5 and 6 Gauge Sets

3-3/8" EASY-TO-SET *Electronic* or mechanical speedometer available.

New Colors

3-3/8" 5 & 6 Gauge Sets

Tan face now available with stainless bezels. Tan with gold bezels, white, black and grey with stainless bezels are also available.

Streamliner Line of Gauges from TPI Tech

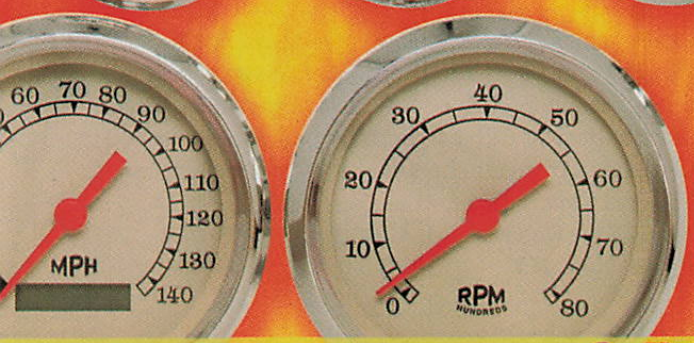
combines the latest electronics with art deco style. ***Programmable 5 function electronic speedometer*** is calibrated with a small button that can be hidden anywhere.

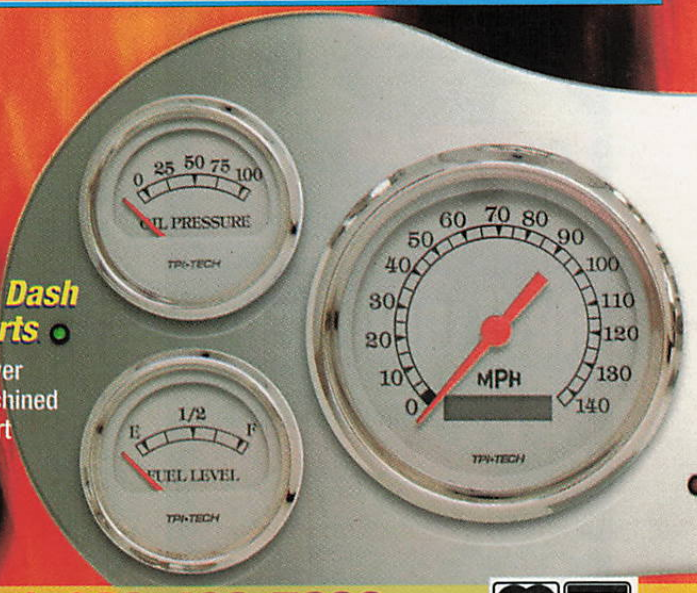
Quad Sets

New configurations and colors. Tan with gold or stainless bezels, black or white with stainless steel bezels. 5" and 3-3/8" mechanical or ***Programmable 5 function electronic speedometer*** with remote mode button.

New Quad "Silver Dollar" Series

Stylish new 5" sets have black or white faces with stainless steel bezels. Easy to read at a glance because the needles point to the outside "corners" when readings are normal. Electronic or mechanical speedometer available.





New Billet Dash Panel Inserts

TPI Tech has over 50 custom machined panels that start at only $55.00. Please inquire.

www.tpigauges.com • Call toll free: 1-866-462-7628

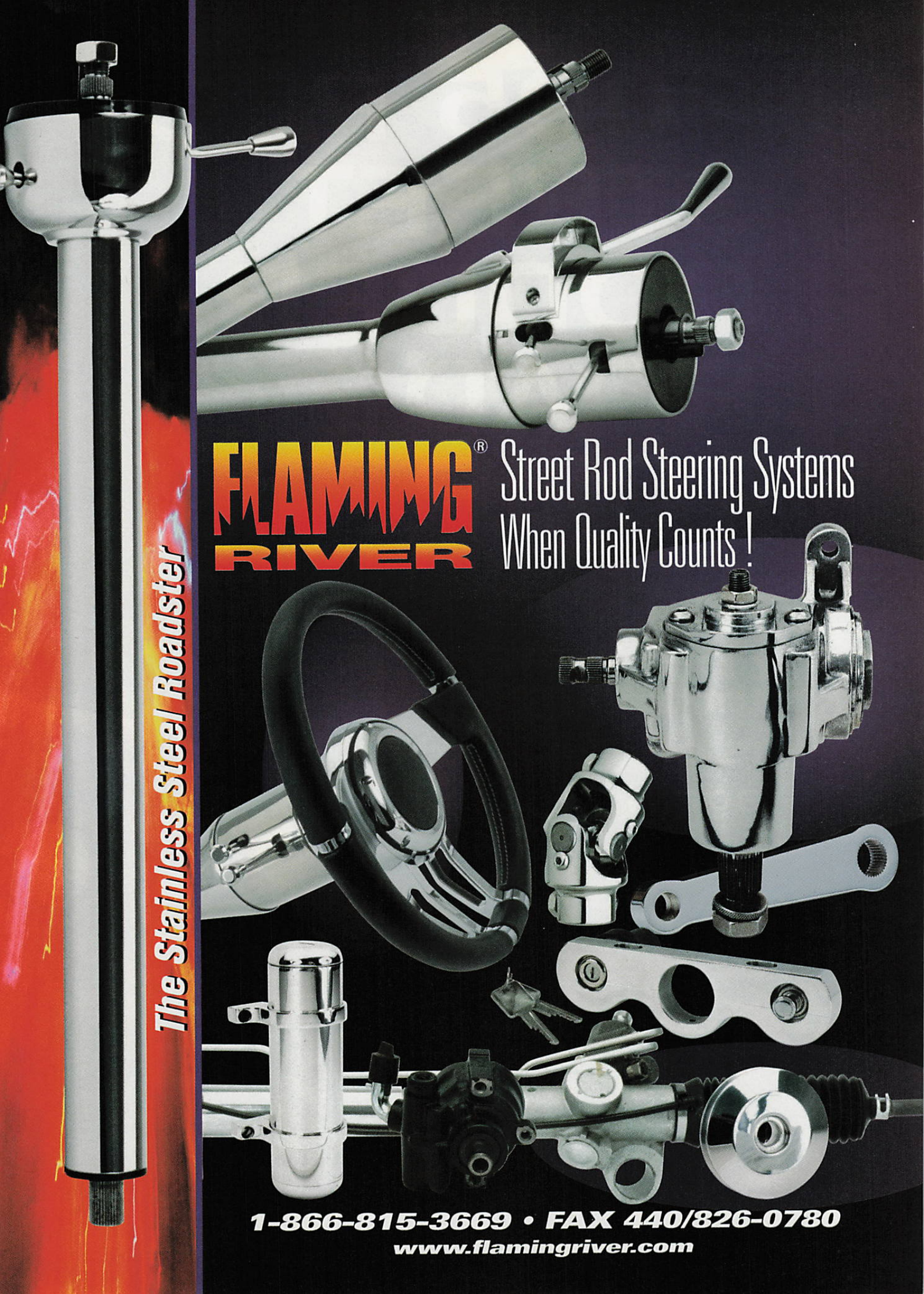
Monday-Friday 8am. to 4pm. est. • Distributors Welcome - low buy-in!

0505SR

MasterCard VISA DISCOVER AMERICAN EXPRESS

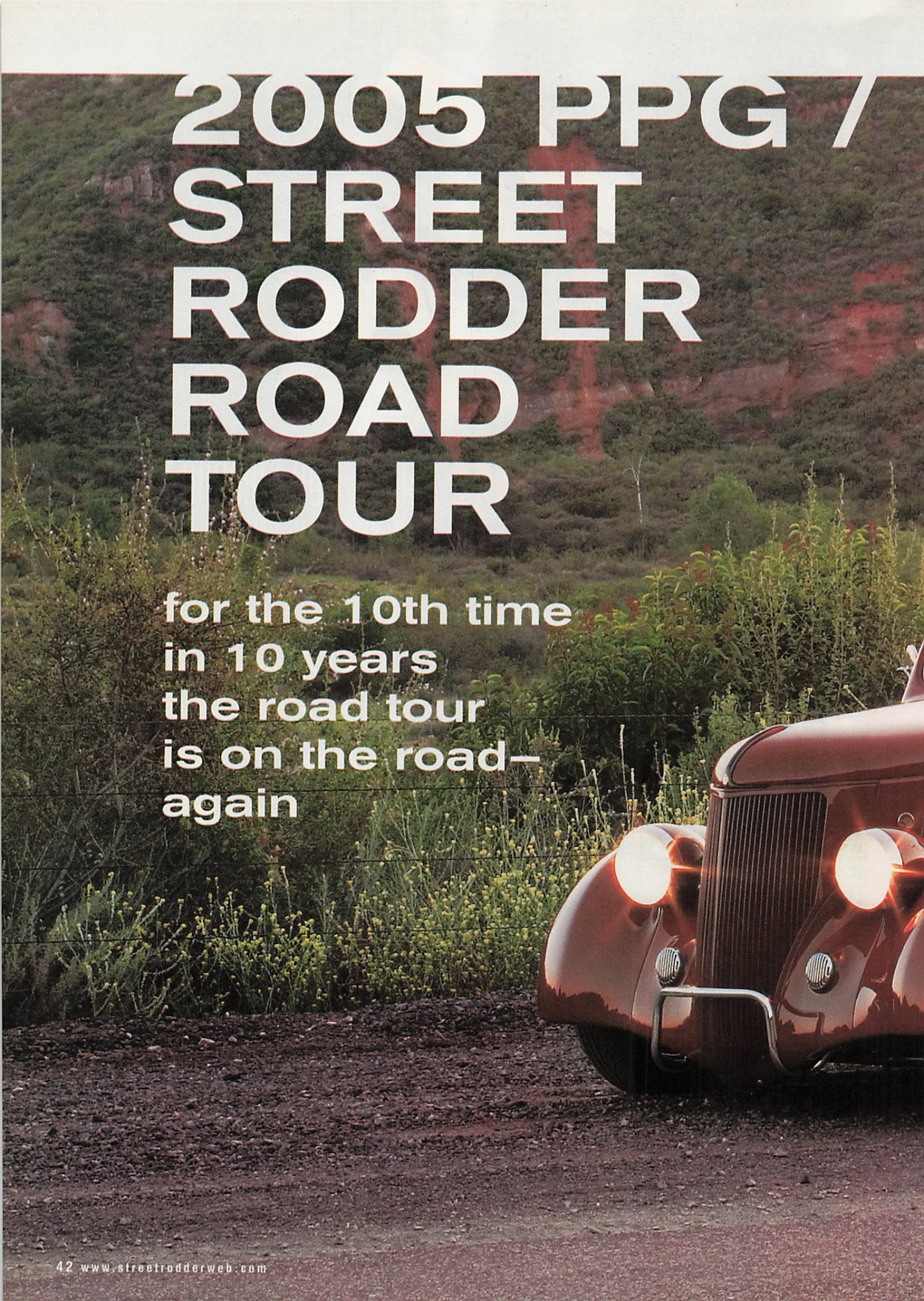
Clean Injectors, More Power!
Designed with the most powerful high temperature detergents.
Improves fuel economy.
Concentrated.
Also cleans Carburetors.
Available at:
Advance Auto Parts
CANADIAN TIRE
PEPBOYS AUTO
SI-1 RED LINE SYNTHETIC OIL
Complete Fuel System Cleaner
TREATS UP TO 100 GALLONS
INCREASES POWER!
443 ml - 15 FLUID OUNCES
75W90 HIGH PERFORMANCE GEAR OIL
Complete Fuel System Cleaner
WATER WETTER
10W30 HIGH PERFORMANCE MOTOR OIL
20WT RACE OIL
RedLineOil.com
800-624-7958
RED LINE SYNTHETIC OIL

FRIENDS IN TIGHT SPACES | Got a socket in a tight pocket? Proform's new Socket Assist (part number 67575) accommodates very small wrenches to reach seemingly inaccessible fasteners. Each patented Proform Socket Assist features a 12-point end for maximum finger traction and minute-wrench turns, and a spring-loaded detent ball to retain sockets. The Socket Assist comes in three varieties: 1/4-inch wrench broach for 1/4- or 3/8-drive applications, and a larger 3/8-inch wrench broach for heavier 3/8-inch applications. Proform's kit includes all three Socket Assists at a price so economical that no toolbox can afford to survive without it. For more information, write Proform Specialty Auto Parts Inc., P.O. Box 306, Dept. SRM, Roseville, MI 48066; call (586) 774-2500; or visit www.proformparts.com. SR


FLAMING® RIVER
Street Rod Steering Systems
When Quality Counts !
The Stainless Steel Roadster
1-866-815-3669 • FAX 440/826-0780
www.flamingriver.com

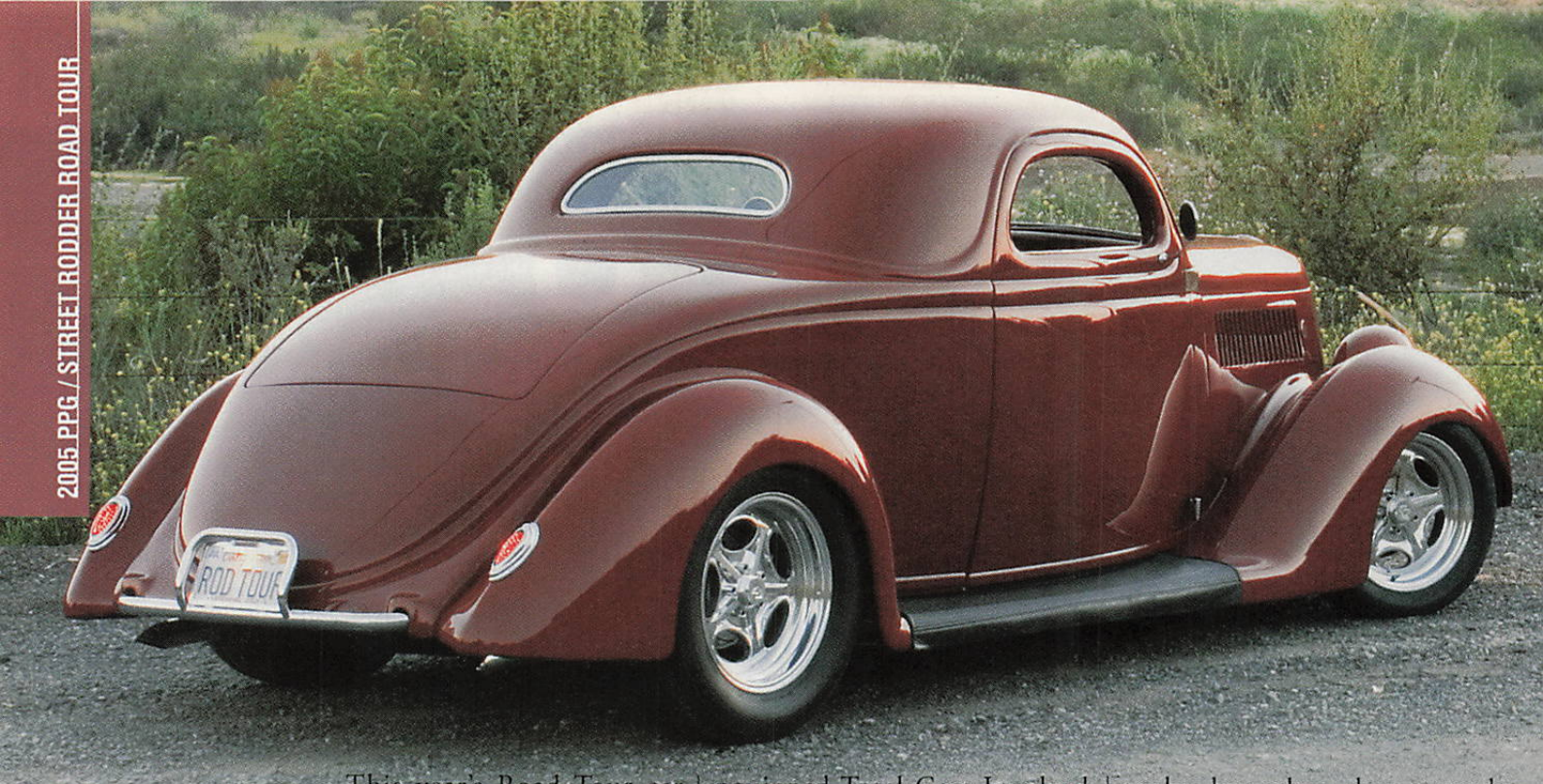
2005 PPG / STREET RODDER ROAD TOUR

for the 10th time in 10 years the road tour is on the road– again

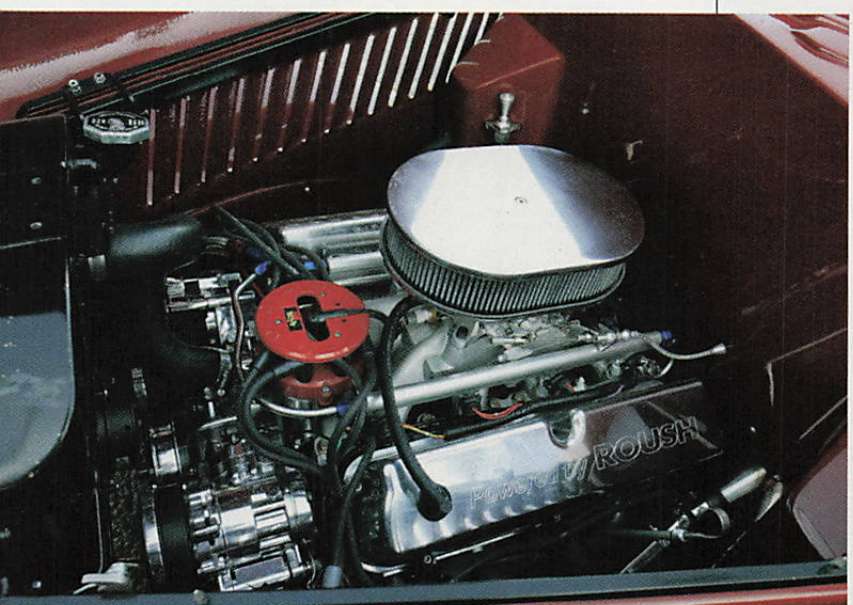


BY RYAN MANSON
PHOTOGRAPHY BY BRIAN BRENNAN

Once again, it's springtime and, while the rest of the country is gearing up for the summer car season ahead, the staff of *STREET RODDER* is breathing a sigh of relief. Albeit, only for a moment. For the past few months, the staff has been chasing down parts, running from shop to shop, and hurriedly putting words to pages for the companion books we do for the Road Tour car. Now, the fun begins. During the next year or so, the car you see before you, as in years past, will travel to National Street Rod Association events all across the wild blue yonder, clocking over 30,000 miles and making just as many envious fans. As you read this, our top pilot, Jerry Dixey, will no doubt be braving sleet, snow, hail, hurricanes, and thunderstorms to prove that street rod parts really do work!



This year's Road Tour car differs slightly from last year's version. For starters, this year's car happens to be a coupe. It's also full-fendered and slightly larger than the cars in years past. I'm sure this will make those thousands of miles traveled a little more comfortable, given what Jerry's had to brave in the past, driving open-wheeled roadsters with bop tops.



If it's going to get 25,000 miles the first year, it better make it there in one piece. Roush Racing makes motors for everything from crate engines to NASCAR so, needless to say, they know what they're doing.

We started with a fiberglass '36 Ford three-window coupe body by none other than Arizona fiberglass master J.B. Donaldson and mated it to an Air Ride Technologies-equipped Total Cost Involved chassis. This chassis utilizes Air Rides Technologies latest technology in air-spring suspensions to ensure comfortable driving heights for those long highway miles and then still be able to get the car down in the weeds for fairground cruising. Stainless Steel Brake Corporation chipped in to get the coupe to a safe stop, with disc brakes at all four corners. A set of 16- and 17-inch, polished Wheel Vintiques were bolted on, wrapped in big 'n' littles measuring 195/55R16 in front and 235/65R17 in back. As in years past, Roush Racing stepped up and provided a hi-po small-block stroker (342 inches) Ford motor topped by ACCEL DFI fuel injection. Delivering the grunt is a TCI Automotive-prepped Ford automatic trans and a Currie 9-inch rearend.

J.B. Donaldson Company has been in the fiberglass industry for years, making everything from aircraft parts to gigantic storage tanks, but when they started noticing the quality of the fiberglass street rod bodies available, they decided to step into the ring. To say the bodies they produce are phenomenal is an understatement. Once our body was out of the mold, a quick scuff job removed the flash, then the whole lot was sprayed with PPG product, cut, and polished to perfection. A minimal amount of bodywork was needed before paint because of the tight tolerances J.B. puts into his molds. This is a very important thing to think about when considering buying an aftermarket body as opposed to stock steel.

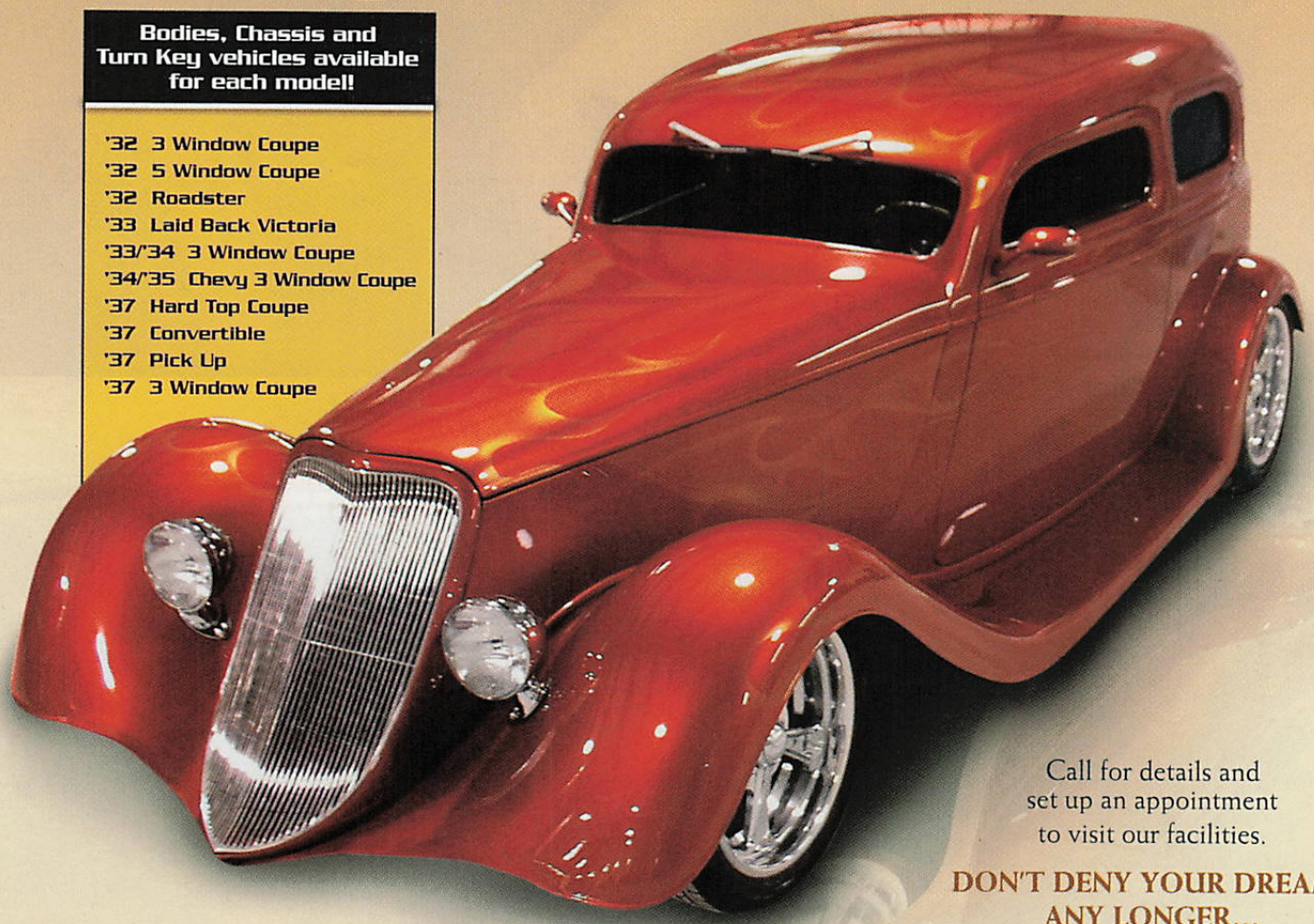
Our body fit together nicely, so once it was delivered to Hot Rods by Dean, the doors and fenders were hung and adjusted, then a hood-latch kit was installed and the body was buttoned up. The staff over at Hot Rods by Dean also wired the car with an American Auto Wire kit that ensured everything from the Dakota Digital gauges to the Vintage Air climate control worked in harmony. Once the car was together, wired, and running, it was sent over to get the Wise Guys seat and matching leather stitched up in traditional rolls 'n' pleats.

DOWNS MANUFACTURING

The Industry Standard

Bodies, Chassis and Turn Key vehicles available for each model!

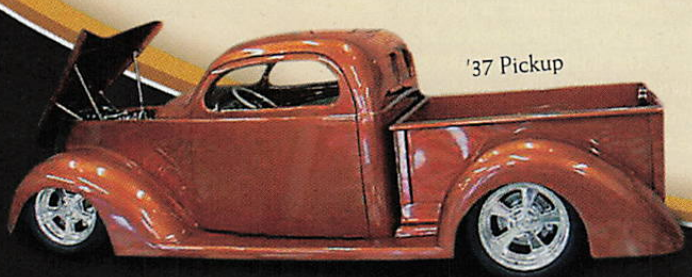
- '32 3 Window Coupe
- '32 5 Window Coupe
- '32 Roadster
- '33 Laid Back Victoria
- '33/'34 3 Window Coupe
- '34/'35 Chevy 3 Window Coupe
- '37 Hard Top Coupe
- '37 Convertible
- '37 Pick Up
- '37 3 Window Coupe



Call for details and set up an appointment to visit our facilities.

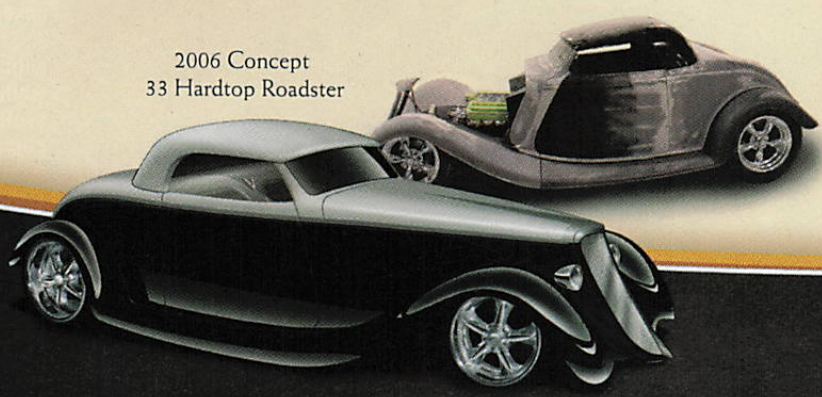
DON'T DENY YOUR DREAMS ANY LONGER...

'33 Laid Back Vicky



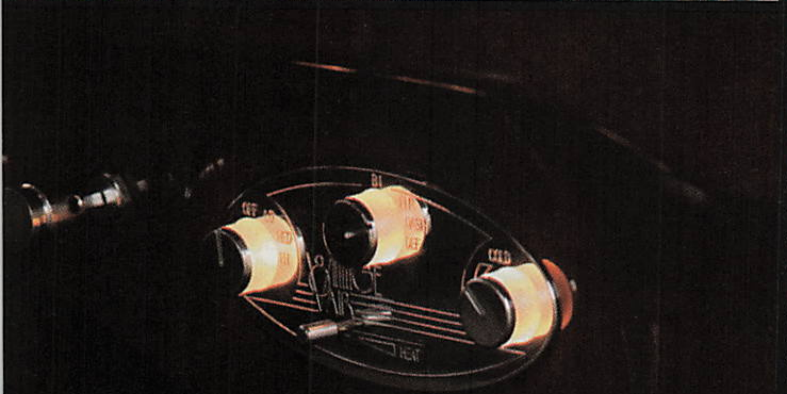
'37 Pickup

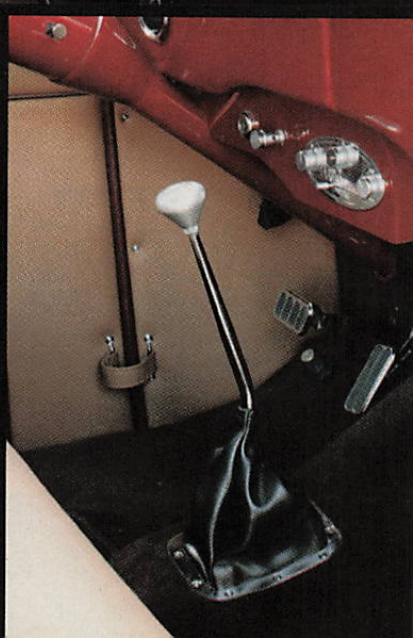
2006 Concept
33 Hardtop Roadster



2005 NSRA GIVEAWAY TRUCK

VISIT OUR NEW WEBSITE AT WWW.DOWNSMFG.COM





(top) Twin Dakota Digital gauges keep the car under watchful eye, flanked by the Wise Guys interior.
(above left) Traditional rolls 'n' pleats cover the Wise Guys split bench seat.
(above right) The dash is kept simple with the two Dakota Digital gauges, while a sub-dash houses the key switch, headlight switch, Vintage Air climate controls, and vents.
(left) One of the neat features of the Vintage Air controls chosen for the Road Tour car is the way the knobs illuminate.
(right) Lokar provided the shifter, boot, and pedals that accent the German weave carpet perfectly.

FREE FREIGHT

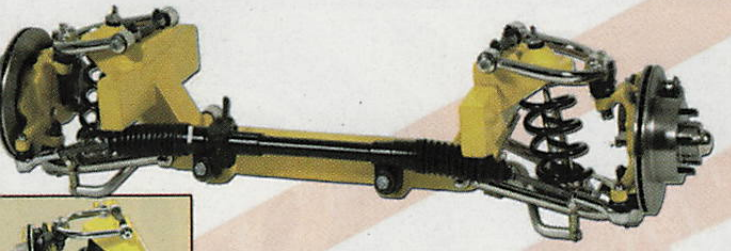
On All Front Ends

When Ordered Through Your Dealer!

Another Option Made Standard At

Total Cost Involved

Mustang II IFS

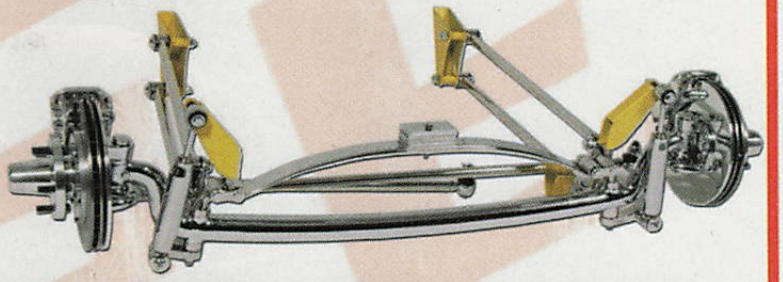


Air Spring Option $212

Mustang II IFS units feature: Crossmember, coil-spring shock towers, 1" tubular A-arms, spindles (stock height or 2" drop), new manual rack & pinion steering gear, 11" GM disc kit, black powder coated springs and painted shocks. Available options: Polished stainless A-arms, black powder coated A-arms, power rack & pinion steering gear, anti-roll bar (plain or chrome), air spring suspension, 12" or 13" brakes.

Starting at $1750

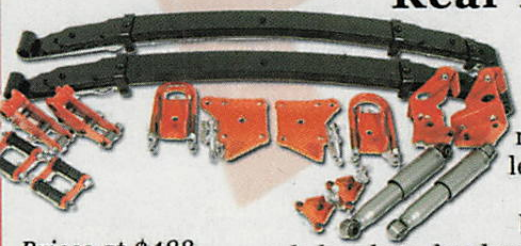
Dropped Axle Front Suspension



Premium units come with stainless batwings and adjustors. Chrome package comes with GM Brakes. Premium show package has stainless bars and hi-tech brakes with polished 360° caliper brackets, plus aluminum hubs. Rotors, spindles and brake units come assembled with bearings packed. Econo units come with steel batwings and adjustors.

Starting at $1799 *As Shown $3390*

Rear Leaf Kits



Prices at $488

Bolt-in rear leaf kit lowers street rods 4" & features leaf springs, shock kit, mounting brackets, weld-on axle brackets, hardware & instructions. Fits '35-'40 Ford (pictured) / '42-'48 Ford '37-'39 Chevy / '48-'54 Chevy

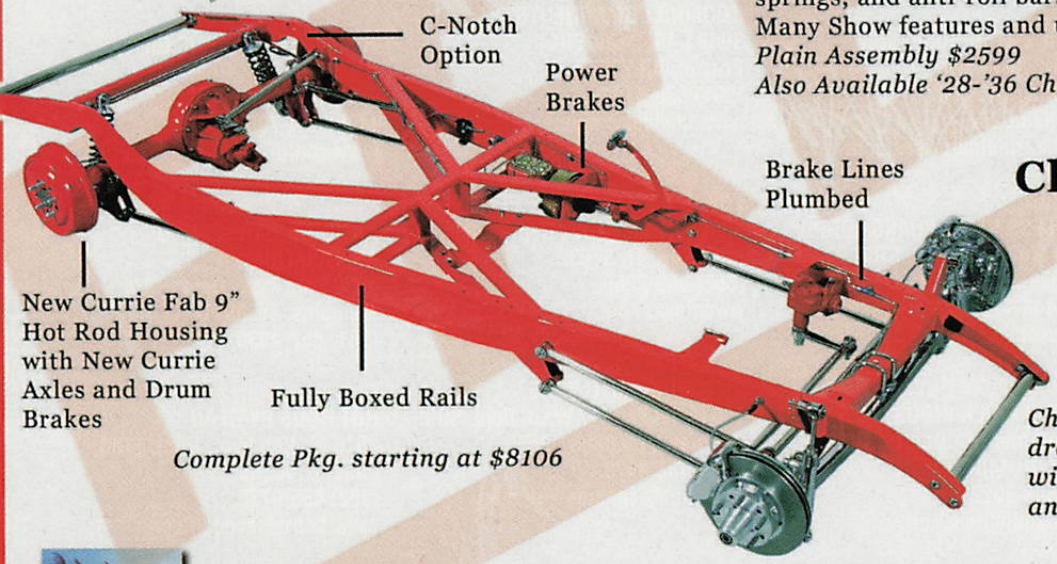
Custom '28-'34 IFS

Custom IFS unit's caster and camber adjustment is made simple with adjustable stainless eccentrics. Every plain Custom IFS features: crossmember, 1" upper and 1-1/8" lower tubular A-arms, new manual rack & pinion steering gear (power rack available), 11" disc brakes, adjustable billet coil overs with black powder coated springs, and anti-roll bar.

Many Show features and upgrades available.

Plain Assembly $2599 *Show Assembly (pictured) $3449*

Also Available '28-'36 Chevy / '35-'48 Ford (Front Steer)


C-Notch Option
Power Brakes
Brake Lines Plumbed
New Currie Fab 9" Hot Rod Housing with New Currie Axles and Drum Brakes
Fully Boxed Rails

Complete Pkg. starting at $8106

Chassis' & Frames

- **'28-'40 Ford Passenger Cars**
- **'28-'41 Ford Pick-up Trucks**

Chassis shown with premium dropped axle and stainless pkg with stainless brake line option and option anti-roll bar

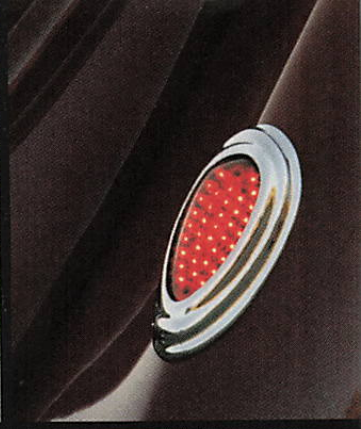
Call Now For Your Dealer Referral And Your Free Catalog

(800) 984-0884

SINCE TOTAL COST INVOLVED 1974 ENGINEERING INC.

1416 W. Brooks Street • Ontario, CA • www.totalcostinvolved.com

Building a street rod in a few short months can be very hard work. Building a street rod in a few short months that is expected to travel over 25,000 miles without skipping a beat is nothing short of miraculous. The sweat and dedication from all parties involved can never be repaid, but the fact that the Road Tour cars always receive a warm welcome from our readers and the car show fans make all the hard work worthwhile. Keep your eyes peeled for Jerry and the '36 in your neck of the woods, as you never know where he may be! SR



(top left) Custom-hood side panels, an illuminating nosepiece, and a one-off nerf bumper keep this '36 from blending in with the pack. *(top right)* Custom, J.B. Donaldson exclusive '39 Ford art deco-style LED taillights sit out back on each fender. *(above left)* Like the front, the rear also got a custom nerf bar that mounts the license plate and sits between '39 style taillights. *(above right)* Seventeen-inch Wheel Vintiques Mirage wheels sit at all four corners.

2005 PPG / *STREET RODDER* ROAD TOUR SPONSORS

BODY:
Fiberglass '36 Ford three-window coupe with 3-inch chop
J.B. DONALDSON COMPANY
2533 W. Cypress St., Dept. SRM
Phoenix, AZ 85009
(602) 278-4505
www.jbdonaldsonco.com

PAINT:
PPG INDUSTRIES
19699 Progress Dr., Dept. SRM
Strongsville, OH 44149
autorefinish@ppg.com
www.ppgrefinish.com

CHASSIS:
TOTAL COST INVOLVED ENGINEERING INC.
1416 W. Brooks St., Dept. SRM
Ontario, CA 91762
(909) 984-1773
www.totalcostinvolved.com

AIR SPRING SUSPENSION:
AIR RIDE TECHNOLOGIES
350 S. St. Charles St., Dept. SRM
Jasper, IN 47546
(812) 482-2932
www.ridetech.com

ENGINE:
342ci Ford
ROUSH RACING PERFORMANCE PARTS
P.O. Box 51394, Dept. SRM
Livonia, MI 48151
(800) 597-6874
www.roushperf.com

FUEL INJECTION:
ACCEL DFI
Mr. Gasket
10601 Memphis Ave. #12, Dept. SRM
Cleveland, OH 44144
www.mrgasket.com

TRANSMISSION:
FORD AODE
TCI Automotive
151 Industrial Dr., Dept. SRM
Ashland, MS 38603
(662) 224-8972
www.tciauto.com

REAREND:
Nine-inch Ford
CURRIE ENTERPRISES INC.
1480 N. Tustin Ave., Dept. SRM
Anaheim, CA 92807
(714) 528-6957
www.currieenterprises.com

BRAKES:
STAINLESS STEEL BRAKE CORP.
11470 Main St., Dept. SRM
Clarence, NY 14031
(800) 448-7722
www.ssbrakes.com

STEERING COMPONENTS:
FLAMING RIVER INDUSTRIES
800 Poertner Dr., Dept. SRM
Berea, OH 44017
(800) 648-8022
www.flamingriver.com

AIR CONDITIONING AND HEATER:
VINTAGE AIR
18865 Goll St., Dept. SRM
San Antonio, TX 78266
(800) 862-6658
www.vintageair.com

EXHAUST:
SANDERSON HEADERS
517 Railroad Ave., Dept. SRM
South San Francisco, CA 94080
(650) 583-6617
www.sandersonheaders.com

RADIATOR:
WALKER RADIATOR WORKS INC.
694 Marshall Ave., Dept. SRM
Memphis, TN 38103
(800) 821-1970

COOLING FAN:
COOLING COMPONENTS INC.
3948 I-40, Dept. SRM
Proctor, AR 72376
(901) 336-6194
www.coolingcomponentsinc.us.com

SHIFTER & CABLES:
LOKAR PERFORMANCE PRODUCTS
10924 Murdock Dr., Dept. SRM
Knoxville, TN 37932
(865) 966-2269
www.lokar.com

WIRING / ELECTRICAL:
AMERICAN AUTO WIRE
150 Heller Pl., #17 West, Dept. SRM
Bellmawr, NJ 08031-2555
(800) 482-9473
www.americanautowire.com

GAUGES:
DAKOTA DIGITAL
4510 W. 61st St. North, Dept. SRM
Sioux Falls, SD 57107
(888) 852-3228
www.dakotadigital.com

SEAT:
WISE GUYS
P.O. Box 211, Dept. SRM
Elkhart, IN 46515
(866) 494-7348
www.wiseguys-seats.com

WHEELS:
WHEEL VINTIQUES
5515 E. Lamona Ave., Dept. SRM
Fresno, CA 93727
(559) 251-6957
www.wheelvintiques.com

OIL & LUBRICANTS:
RED LINE SYNTHETIC OIL
6100 Egret Ct., Dept. SRM
Benicia, CA 84510
(800) 624-7958
www.redlineoil.com

STREET ROD ASSOCIATION:
NATIONAL STREET ROD ASSOCIATION
4030 Park Ave., Dept. SRM
Memphis, TN 38111
(901) 452-4030

CAR ASSEMBLY:
HOT RODS BY DEAN
3615 N. 35th Ave., Dept. SRM
Phoenix, AZ 85017
(602) 455-9775
www.hotrodsbydean.com

Total Performance Inc.

We have EVERYTHING you need to complete your Hot Rod!

SHOP ONLINE at www.tperformance.com

Electric Fans

Mini Alternator

Coil-Over Shocks

Shocks

Disconnect Switches

Hoses & Covers

Indicator Lights

Engines & Trans

Turn Signals

E-Brakes

Mirrors

Clevis & Rod Ends

Pedals

Steering Columns

Fuel Tanks

Line Clamps

Wire Harnesses

Recovery Tanks

Call & Order Our Giant 150 page Catalog!

Toll FREE Ordering: 1-800-243-6740

Our Staff can help choose the right parts for your Hot Rod!

Tech Support: 203-265-7107

Total Performance, Inc. 400 South Orchard Street Wallingford, CT 06492-2512

LIFETIME GUARANTEE WORLD'S BEST HOSES DEALERS WELCOME

COPPER COOLS

COOL-FLEX™ fluid transfer hoses

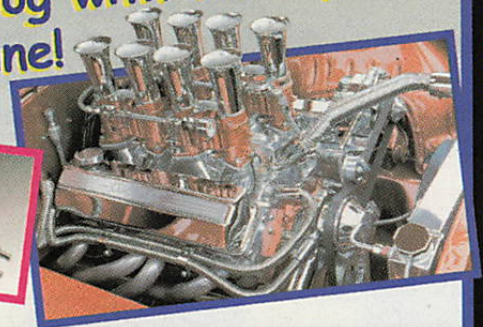
BEWARE!

NOT ALL SOUND-A-LIKE & LOOK-A-LIKE HOSES FUNCTION LIKE COOL-FLEX! - GET THE ORIGINAL

NEW Hose Line for Import Vehicles also fits LS1 & LS6 Engines!

Exciting NEW Colors!

NEW Giant Catalog with an Expanded Product Line!



made in the USA since 1976

400 S. Orchard St. Wallingford, CT 06492-2512
phone: 203-265-3617 fax: 1-888-COOLFLX

SHOP ONLINE at www.coolflex.com

LIFETIME GUARANTEE WORLD'S BEST HOSES DEALERS WELCOME

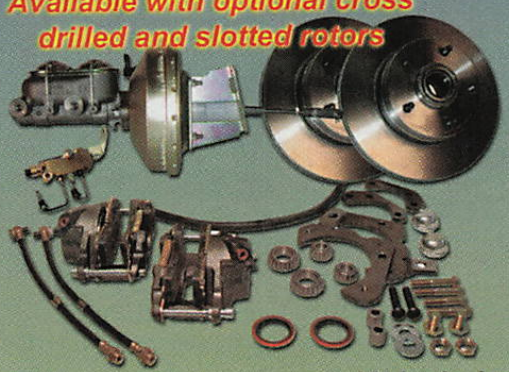
WE ARE THE ORIGINAL STREET ROD BRAKE SOLUTION PROVIDERS

WE CAN TELL YOU HOW TO DO IT!

MP MASTER POWER BRAKES

55-70 CHEVY DISC BRAKES

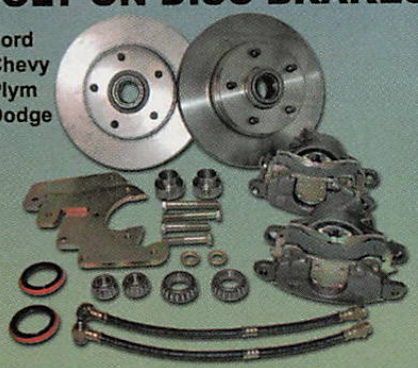
Available with optional cross drilled and slotted rotors



This easy bolt on power kit includes the power booster, master cylinder, combination valve and all the parts that bolt to the original spindles.

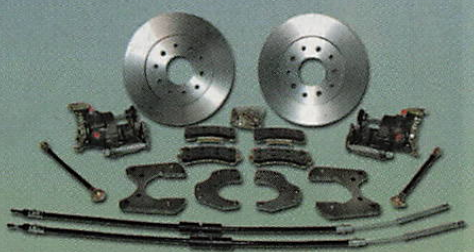
EARLY STREET ROD BOLT ON DISC BRAKES

Ford
Chevy
Plym
Dodge



Bolt disc brakes to your original drum spindles with an easy bolt on disc kit. Includes brackets, calipers, pads, rotors, bearings, seals and hoses.

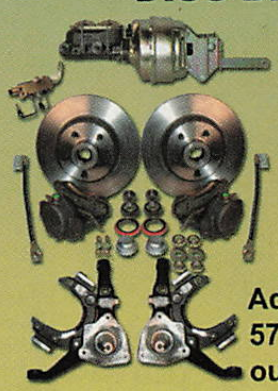
REAR DISC BRAKES GM OR FORD REARS



Add disc brakes to your GM 10 or 12 bolt or Ford 8" or 9" with a kit that includes calipers with integral parking brake.

Got a spongy pedal? Be sure you have the necessary residual valves in your system. You always need 10 lb to drum brakes and 2 lb to disc if the master cylinder is located under the floor.

EARLY FULL SIZE FORD DISC BRAKE KITS



INCLUDES BRAND NEW DISC BRAKE SPINDLES

Add disc brakes to your 57-72 Ford with one of our easy bolt on disc brake kits that includes brand new disc brake spindles. Each kit includes spindles, brackets, calipers, pads, rotors, bearings, seals and caliper hoses. Booster, master and valve available.

BRAKE SYSTEM ANALYZER

Troubleshoot brake problems correctly with one of our clamping force analyzers

MIDSIZE GM MUSCLE CAR DISC BRAKE CONVERSION

STOCK HEIGHT OR 2" DROP

Camaro
Chevelle
Nova
GTO
Cutlass

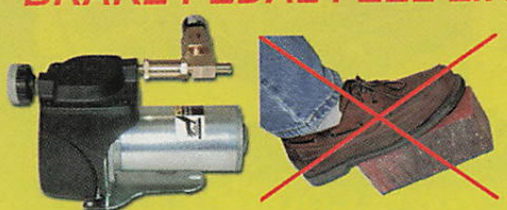
These kits include the power booster, master cylinder, combination valve kit, brackets, calipers, pads, dust shields, spindles, rotors, bearings, seals and hoses.

EARLY TRUCK DISC BRAKES AND POWER BRAKE KITS

37-56 Ford
28-59 Chevy

Add power brakes and disc brakes to your early truck with one of our easy bolt on kits.

BRAKE PEDAL FEEL LIKE A BRICK?



ELECTRIC VACUUM PUMP

Eliminate a hard brake pedal due to low engine vacuum with our 12 volt electric vacuum pump

LET US DESIGN A COMPLETE UNDER FLOOR STREET ROD POWER BRAKE AND DISC BRAKE SYSTEM FOR YOU

Bolt on disc brakes

Ford
Chevy
Plym
Dodge

Power brake conversion

BE SURE TO ASK YOUR SALESPERSON TO SELL YOU EVERYTHING YOU WILL NEED FOR PROPER PERFORMANCE

Combination valve

Residual pressure valves

Low pressure stop light switch

Survival line fittings kit

You may order only the disc brakes or power brakes for your application. Call for pricing.

IF YOU CANT FIND POWER BRAKES FOR YOUR ROD TRY OUR WELD ON UNDER FLOOR PEDAL KIT

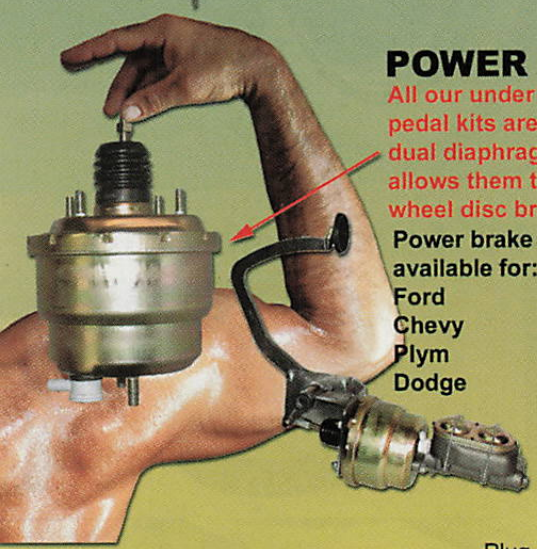
PA1502KPO

If you can't find a bolt on pedal for your street rod, try our under floor universal weld on pedal kit that welds to the inside of the frame rail.

UNIVERSAL FIREWALL MOUNTED HANGING BRAKE PEDAL

Available with 7", 8", or 9" booster

Add power brakes to your street rod with our universal firewall mounted hanging pedal. Available for disc/drum or 4 wheel disc brakes. Hydraulic clutch also available.

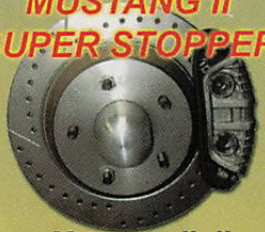


POWER BRAKE PEDALS

All our under floor power brake pedal kits are supplied with 7" dual diaphragm boosters which allows them to be used for four wheel disc brakes.

Power brake kits available for:
Ford
Chevy
Plym
Dodge

MUSTANG II SUPER STOPPER



Mustang II disc kit with 12" rotors and dual piston corvettecalipers

UNIVERSAL UNDER FLOOR POWER BRAKE KIT WITH HYDRAULIC CLUTCH

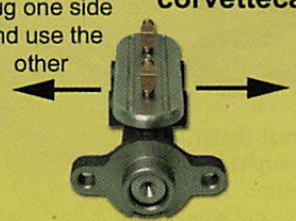
Our universal bolt on under floor power brake pedal includes a hydraulic clutch cylinder allowing you to retain a manual transmission.

Available without clutch

NEW ITEM

Quad port aluminum remote fill master cylinder with the outlets on both sides for ease of installation

Plug one side and use the other



THINKING OUTSIDE THE BOX TO PUT SOLUTIONS INSIDE YOUR BOX!

Order our 70 page brake parts catalog just $5 / $10 It'l

GET INSTALLATION INSTRUCTIONS AND TECH HELP AT WWW.911BRAKES.COM

MASTER POWER BRAKES

WWW.MPBRAKES.COM 704-664-8866

ORDER TOLL FREE: 888-249-9424

MP MASTER POWER BRAKES

110 Crosslake Park Rd Mooresville NC 28117 Order direct and save. We accept Discover, Mastercard, Visa and American Express

hal and vicki smith's phantom '40 ford cabriolet

FROM ST TO GEMS

Doug Klann fabricated the dash from the '40 top and fresh metal. Doug also fabricated the 4-inch-tube cockpit border. It morphs into a shapely waterfall-inspired center console. Ogden Interiors' John Mayer designed the upholstery pattern and included gray and blue Ultrasuede material and gray wool carpet. The trim hides Ron Francis Wireworks wiring, a Vintage Air climate control system, and a Delco/Jensen audio system.

ONES

BY CHRIS SHELTON

I'm pretty sure that after a while Michelangelo never saw a plain ol' rock. Sure he encountered plenty of what we'd call stones along the way, but to him I'd wager that those rocks represented anything but inanimate objects. After all, here's someone that found faces, hands, feet—even highly animated forms like wings—in ordinary cast-off stone.

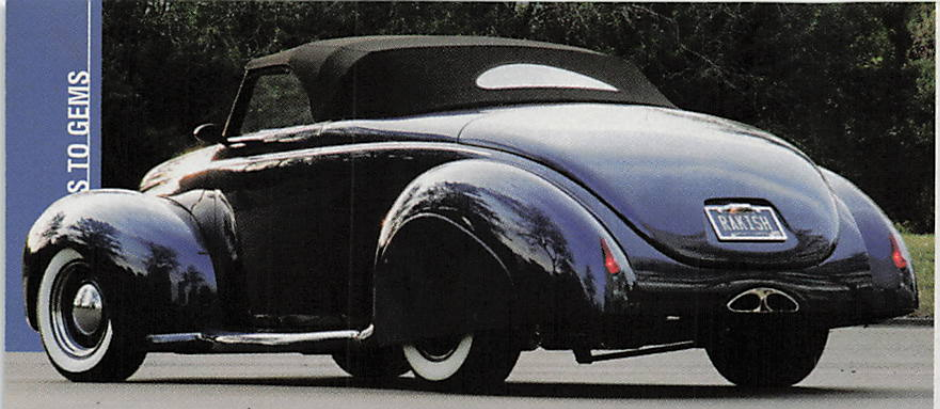
Hal Smith lucked into quite a stone in 1979: a '40 Ford coupe whose owner needed dough ... fast. And when we say stone, we mean it: Rust all but ate up the floors. Somewhere along the line someone tap danced on the roof. The chewed-up decklid and caved quarter-panel didn't exactly instill great confidence either. However, "I got a vision in my head of what I wanted to do with the car," Hal says. On the other hand, "I lacked the metalworking skills and money to pull it off."

Fast-forward a few years. Hal and his gal Vicki found themselves in a financially solvent place. About the same time they discovered Slim's Body Works' Doug Klann. The meeting was fortuitous: Doug's one of those artistic types who saw shapes hiding in the '40's battered metal. Hal and Doug kicked off the project with a Total Cost Involved chassis and new floors.

"I wanted to create the nicest looking '40 Ford, but I didn't want to stray from the original look of the car," Hal says. "I wanted the exterior styling to look like it could've been done in 1940." But just because Hal's rooted in the car's intrinsic design doesn't mean he intended to keep its stock form, adding, "I think that just about any '30s or '40s car can benefit from sectioning if not overdone."

Armed with that, Doug took a slice out of the body's entire perimeter and stitched the car back together some 2 1/2 inches thinner, giving the car a sleeker, longer profile more akin to a Lincoln of the era. The sectioning created a small side effect: The once-elegant crowned nose now looked beak-like in comparison to the sleek body. Doug redressed the bulbous profile by pie-cutting the hood to complement the body's new shape.

With the body sectioned and the hood pie-cut, the top started looking a little ungainly. The solution: Make it a cabriolet.



However, "In my opinion, the two biggest design flaws of the '40 convertible were the big bulky top and the divided windshield," Hal says. Doug addressed the windshield flaw with a fabricated frame and V-butted glass, but he treated the windshield to a rather unorthodox modification: He canted it back instead of chopping it, thereby giving the car a coachbuilt flavor in lieu of a custom look.

Coupe doors aren't exactly the sleekest looking things so Doug replaced them with longer two-door sedan pieces to visually draw the car out a little more. He then rolled fresh door tops and garnish moldings, and fabricated a rear cockpit perimeter out of 4-inch tubing that cascades down between the seats. Finally he spanned the gap between the new tubing and the rear deck with fresh sheetmetal.

Doug carried the custom theme through the running boards via Hal's input. He also fabricated a stylized exhaust outlet that mimics a '40 rear window. Running the exhaust down the rear of the middle car forced Doug to relocate the Tanks fuel tank behind the passenger compartment.

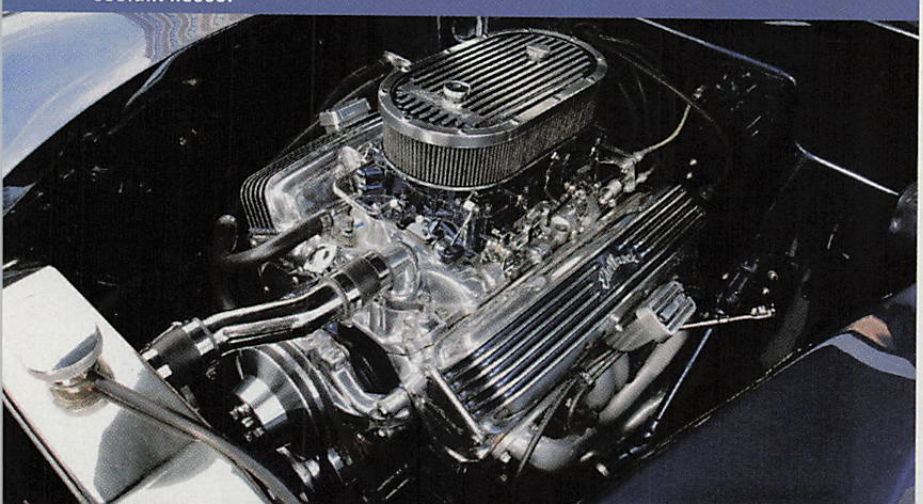
Up front Doug incorporated a set of '39 headlight rings into the fenders and modified a set of headlight buckets for lamp access. Dan Armstrong finalized the finish with Glasurit's Mica Blue Pearl, a '98 Lexus color.

Ogden Interior's John Mayer stitched up the Ultrasuede material for the cabin, including the waterfall center console, in a distinctive gray and blue combination. Charlevoix, Michigan's Time Machines finished the drop-top conversion with folding top irons clad in Stayfast canvas top material.

Hal tied the rear window and exhaust outlet shapes together with a set of Vision Hot Rod Concepts mirrors. He then sealed the car in a historic era with a set of BFGoodrich Silvertown radial wide whites. While this car's body treatment and whitewall tires speak of coachbuilt sensibilities, it has a smidgen of hot rod in it: a dual quad-topped small-block Chevrolet.

Once the 2 1/2 years of dust settled, Hal's stone-like '40 revealed a few new dark sapphire-blue facets. The result is a highly stylized creation that reflects its owner's mind's eye. Best of all, "*it's a driver*," Hal says. SR

The engine started life as a '87-vintage 350, yet it's anything but the docile creature it once was. It features Edelbrock heads, a COMP camshaft, and an Edelbrock two-four induction system. The engine room features a number of sharp items including the German silver Brassworks radiator and all Doug Klann-fabricated stainless coolant hoses.



FACTS & FIGURES

Hal Smith
Freeland, Michigan
1940 Ford phantom cabriolet

CHASSIS

Frame / Manufacturer	Total Cost Involved (Ontario, CA)
Wheelbase	112" (stock)
Chassis plumbing	stainless
Rearend / Ratio	Ford 9" / 3.50:1; limited slip
Rear suspension	parallel four-link, Panhard bar, All American coilovers
Rear brakes	Ford 11" drum
Front suspension	Total Cost Involved Mustang II-style, All American coilovers, anti-roll bar
Front brakes	11" disc
Master cylinder	Ford dual-circuit w/ Midland Ross booster
Steering box	Mustang II-style r&p
Steering Column	ididit (Tecumseh, MI)
Front wheel make, size	Wheel Vintiques (Fresno, CA) Smoothie, 15x6
Rear wheel make, size	Wheel Vintiques Smoothie, 15x8
Front tire make, size	BFGoodrich Silvertown, Coker Tire (Chattanooga, TN), 195/70R-15
Rear tire make, size	BFGoodrich Silvertown, 215/70R-15
Gas tank	Tanks Inc. (Clearwater, MN); steel

ENGINE

Make	1987 Chevrolet
Displacement	383ci
Assembly	Gene Brewer (Frankenmuth, MI)
Crankshaft	3.75" stroke
Pistons	hypereutectic 4.060" bore; 9:1 compression
Camshaft	COMP Cams Xtreme Energy (Memphis, TN) XE268H-10
Water pump	Weiand (Bowling Green, KY) aluminum
Cooling fan	SPAL electric (Des Moines, IA)
Radiator	Brassworks (San Luis Obispo, CA)
Alternator	AC Delco
Accessory brackets	Alan Grove (Louisburg, KS)
Heads	Edelbrock Performer (Torrance, CA)
Valves / Springs	COMP Cams
Rockers	COMP Cams roller
Valve covers	Edelbrock
Manifold / Induction	Edelbrock dual-quad / 500-cfm
Ignition / Wires	MSD (El Paso, TX) / Accel (Cleveland, OH)
Headers	Sanderson block-hugger
Exhaust / Mufflers	2 1/2" by Doug Klann / Flowmaster 50-series
Other engine facts	all aluminum polished; carburetors painted; chromed linkage; stainless coolant pipes

TRANSMISSION

Year and make	GM TH700R-4
Assembly	Phil's Transmission (Flint, MI)
Shifter	Lokar Inc. (Knoxville, TN)
Driveshaft	Coleman Racing Products (Menominee, MI)

BODY

Body style / Material	cabriolet / steel
Body manufacturer	Ford
Body mods	sectioned 2 1/2"; B-pillar relocated rearward 8"; two-door sedan doors; pie-cut hood; re-contoured running boards; fabricated windshield laid back 45 degrees from stock; fabricated rear deck; exhaust system tunneled through body
Top	folding mechanism by Time Machines (Charlevoix, MI)
Bodywork	body modifications by Slim's Body Works (Freeland, MI); finish work by Doug Klann
Paint type / Color	Glasurit / Lexus mica blue pearl
Painter	Dan Armstrong
Headlights / Taillights	'39 Ford / '39 Hudson
Outside mirror	Vision Hot Rod Concepts (Kitchener, Ontario, Canada)
Other body items	Trans Auto Glass (Saginaw, MI); Custom Chrome (Grafton, OH)

INTERIOR

Dashboard	'40 Ford, custom
Insert / Gauges	custom, Slim's Body Works / VDO
Audio	AC Delco head unit; Jensen component sets in rear
Air conditioning	Vintage Air
Wiring	Ron Francis (Chester, PA)
Steering wheel	Budnik Wheels (Huntington Beach, CA)
Seats	Glide Engineering (Cucamonga, CA)
Upholsterer	John Mayer, Ogden Top and Trim (Berwyn, IL)
Material / Color	Ultrasuede (Troy, MI) / silver pearl and true blue
Seatbelts	Juliano's (Vernon, CT)

1.800.873.4038 www.zirgo.com
Order » 503.693.6608 Fax » 503.640.3091
201 SE Oak Street » Portland, OR 97214

ZIRGO™ COOLING PRODUCTS

Electric Cooling Fans

Rev Up & Cool Down!

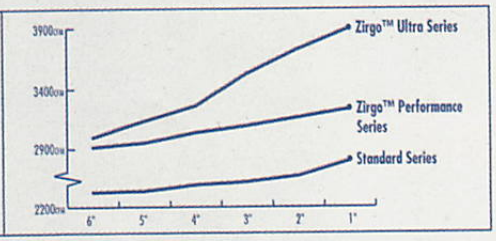
From $45

Zirgo's high performance cooling fans represent the ultimate in cooling technology. Packing maximum performance into a minimum amount of space. Now get exactly what you need for your vehicle's cooling system with 3 series of Zirgo fans. Zirgo offers an Ultra Series, High Performance Series and Standard Series. Zirgo high torque fan motors feature sealed ball bearings and fully balanced blades, which insure low noise levels and a long life of smooth operation. To insure maximum performance, all fans offer Flat and S-Blade configurations with reversible blades allowing them to operate as pushers or pullers. Plug-in color-coded harnesses make installation easy. Let Zirgo high performance cooling fans cool you down, when you heat up! Call or go online for detailed specifications.

- 3300 Max CFM
- Sealed Bearing Motors
- Detailed Instructions
- Limited Lifetime Warranty

K Plug N Play™
www.keepitclean.com

Zirgo Cooling Products Plug N Play feature ensures easy installion and direct plugin with select Keep It Clean™ Wiring Products.



Ultra Hoses

Radiator and Heater Hoses

DON'T COLLAPSE! The UltraHose™ has a strong corrugated structure that will not collapse or crack like typical rubber radiator hoses. Available in 4 lengths; 12", 24", 36", and 48".

From $54

Temperature Sensors

Digital Adjustable

Zirgo's Digital Temperature Sensor allows you to monitor and control the most remote areas of your vehicle. Great for engine compartments, glove boxes, radio/amp enclosures, and much more. Zirgo's digital temperature probe allows you to monitor those hard to reach areas, or even coolant temperature! Once your programmed temperature is reached, The ZFSDG will send out a signal to a relay to activate your cooling fan. Activation temperature from 0° F. to 240° F.

From $99 K Plug N Play™

AC Compressors

Zirgo™ AC Compressors are made tough to keep your ride's interior cool in the summer. Call for available units. Available in several pulley styles, mounting applications and finishes.

Pressure Switches

Zirgo™ offers a whole line of pressure switches. Call for more details.

Electric Fan Relay Kit

Protect your cooling fan from overloads or voltage drops. Ideal for adding a manual switch!

From $50

Fixed Sensor

Automatically turn on your Zirgo cooling fan at the preset temperature of 180 degrees Fahrenheit.

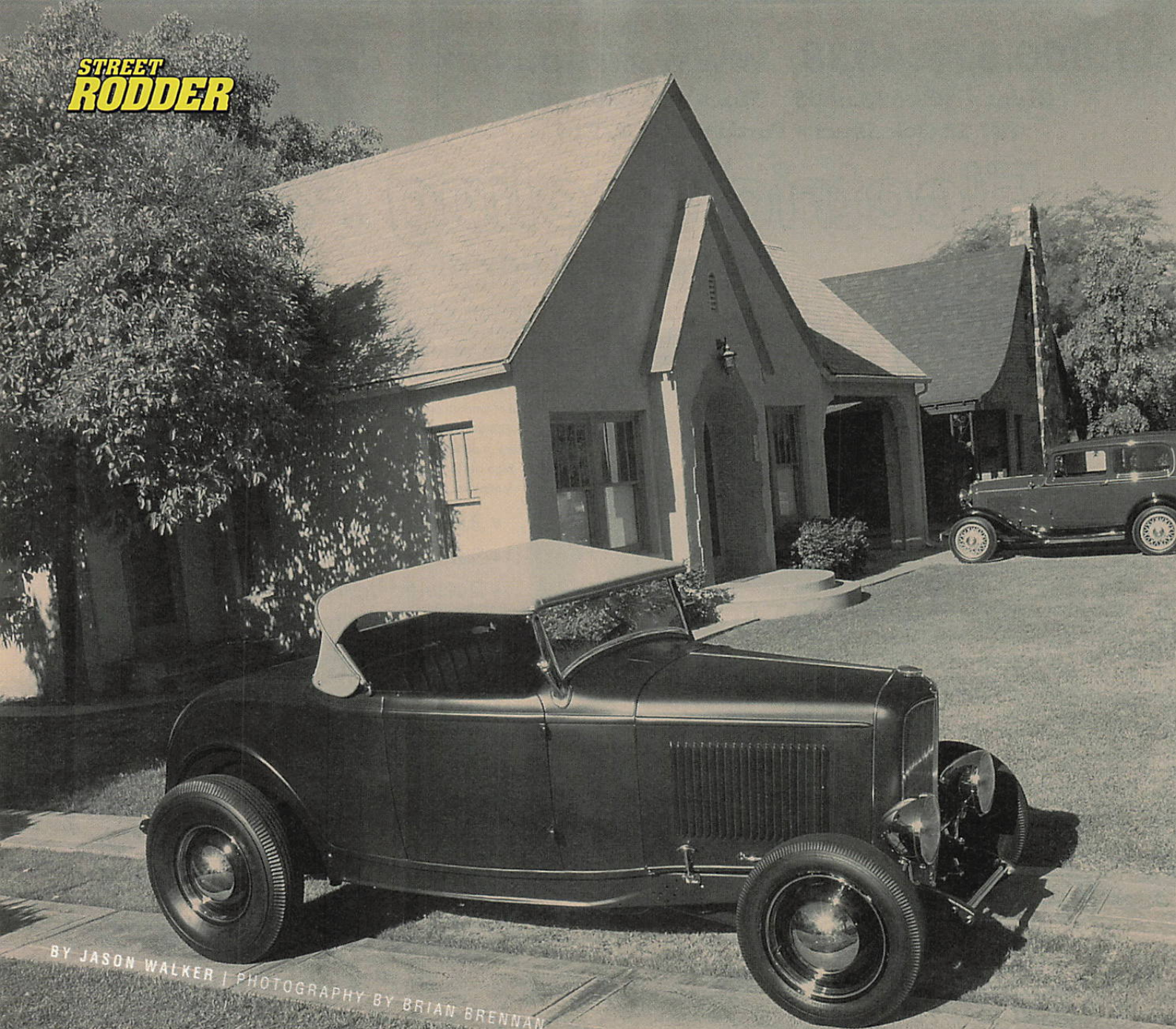
K Plug N Play™

From $29 EZ Install!

code 9

©2005 The Hoffman Group LLC. All Rights Reserved. Prices subject to change without notice. No refunds with an authorization number. All refunds are subject to a 25% restocking fee.

STREET RODDER



BY JASON WALKER | PHOTOGRAPHY BY BRIAN BRENNAN

DEJA VU ALL OVER AGAIN

tom tait's childhood dream finally becomes a reality

LOOKING FOR A DEPENDABLE RADIATOR?

9 Years - 200,000 Miles

Walker RADIATOR WORKS INC.

5 YEAR WARRANTY
THE LEADER IN QUALITY COOLING SYSTEMS

Walker COBRA RADIATORS

NSRA OFFICIAL PRODUCT OF THE NATIONAL STREET ROD ASSOCIATION

The All Copper/Brass Radiator

See your street rod parts supplier or call 1-800-821-1970 • Fax 901-529-0397

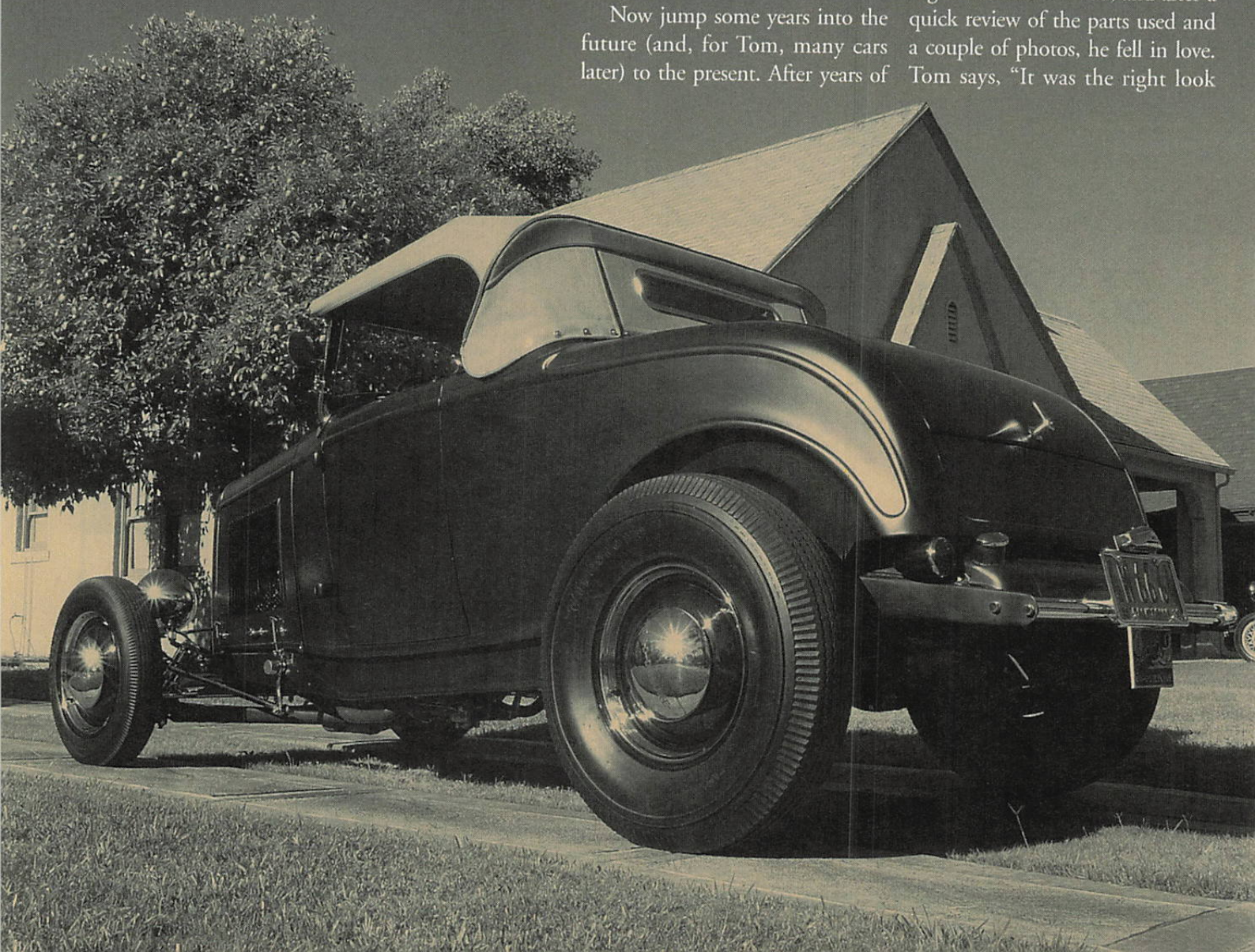
We all know that old adage stating that "beauty is in the eye of the beholder," and for all intents and purposes in our car hobby world, that adage is very true. But for all of us hot rod nuts, there are a few more aspects that also hold weight when simply looking at a car and deciding its level of beauty. Style, for instance, is another big factor that can make even a car that some of us think is awkward or just plain ugly turn into a thing of beauty.

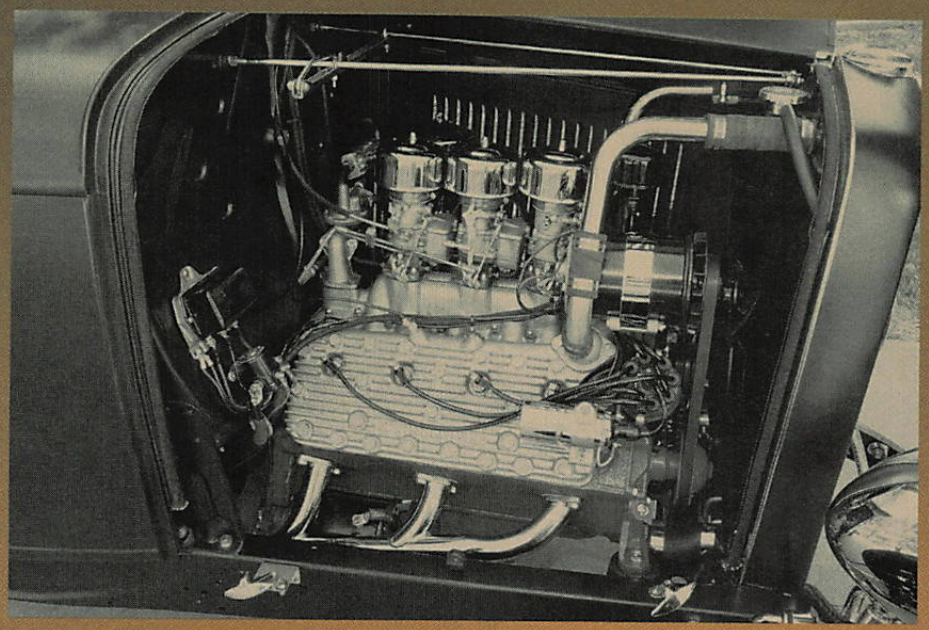
Know we are in no way implying that anyone out there could possibly not like Ford's 1932 roadster, but we're sure one or two hot rodders somewhere out there fall into the category of non-Ford types. That is until they lay their eyes on a traditional beauty like the one on this page owned by Tom Tait of Phoenix, Arizona. Not only does Tom's traditional example of hot rodding's early days look as right as any built before it, this roadster is undeniably beautiful—not because it is a '32 Ford, but it's more the collective parts and how they were used, or not used, that make it so pleasing to the eye.

A while back, Tom found himself dreaming of his youth and all the cool cars from that time. Back when Tom was at the ripe old age of 14, he and a neighbor tried their hands at hot rodding by cutting up a '39 Ford phaeton (ouch!) to make way for a scratch-built fiberglass sports car body. Tom and his buddy ran the car in raw fiberglass for over a year, despite the hecklers calling it a potato chip, among other choice words. Not long after that experience, Tom was able to build his first '32, which to Tom, and many of us, was the ultimate hot rod.

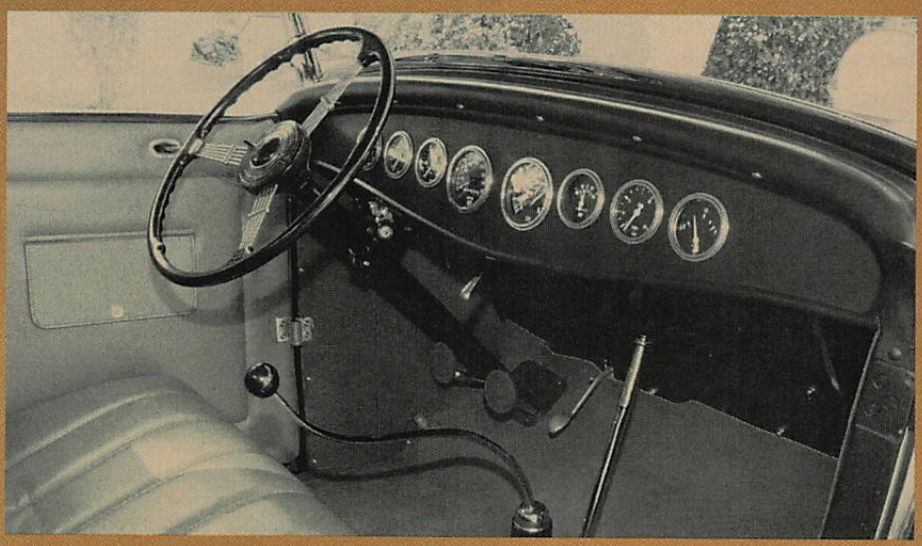
Now jump some years into the future (and, for Tom, many cars later) to the present. After years of smart successes in the real estate game, Tom could once again revisit his youth, or more specifically, that first '32 he owned in high school, to build the roadster of his dreams. What we find so cool about this is the fact that Tom easily has the means to build the ultimate in modern technology, yet opted to use his years of experience to put together a truly historical and beautiful '32 roadster with not one part newer than 1951. OK, so the seatbelts and body from the cowl back are new replicas, but by and large, the car you see here could have been rolled right out of a climate-controlled barn where it had sat for the past 50-plus years.

This all started about a year ago when Tom purchased the '32 (Brookville Roadsters body) sight unseen from car builder Bill Combs of Lexington, Kentucky. Tom knew of Bill's ability to put together a fine hot rod, and after a quick review of the parts used and a couple of photos, he fell in love. Tom says, "It was the right look

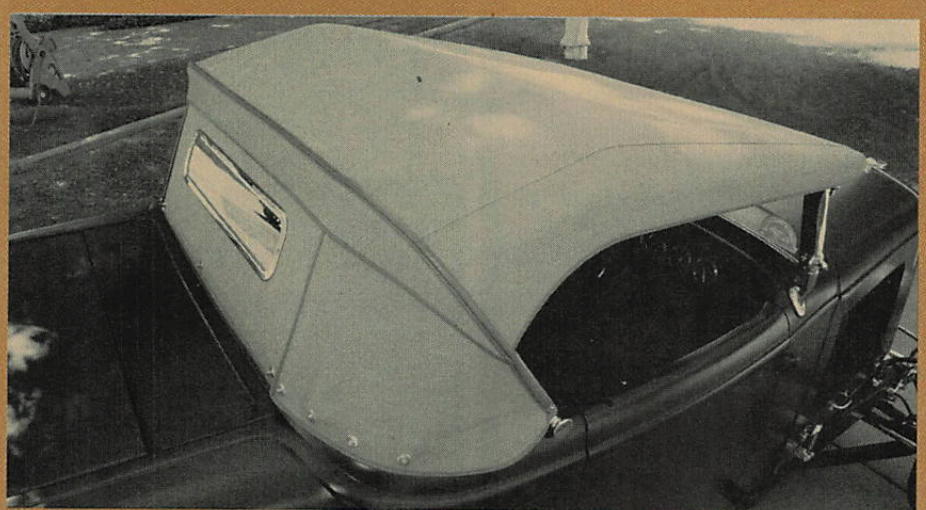




What '32 roadster built in the early tradition would be complete without a hopped-up Flattie? Tom Tait's '32 is powered by this '49 Ford 8BA 260ci engine that has been balanced and blueprinted then filled with nothing but the best in early speed parts. As nice as this engine looks, you really need to hear it run to appreciate the kind of talent that went into putting this old-timer together.

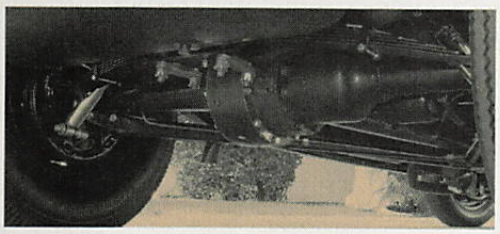


The interior of Tom Tait's roadster is as utilitarian as it is clean and neat. There's nothing mounted in the dash that doesn't need to be there, in fact the only parts mounted to the dash are the eight period-perfect black-faced gauges. Accompanying the clean dash is a perfect '36 Ford banjo steering wheel with '32 Ford column, original pedals, and the ultimate in hot rod luxury—a reproduction rubber floor mat.



Topping the roadster off nicely is this 2-inch-cut-down roadster top from LeBaron Bonney. The factory looking top helps further the illusion that we are looking at a photo taken prior to the 1950s.

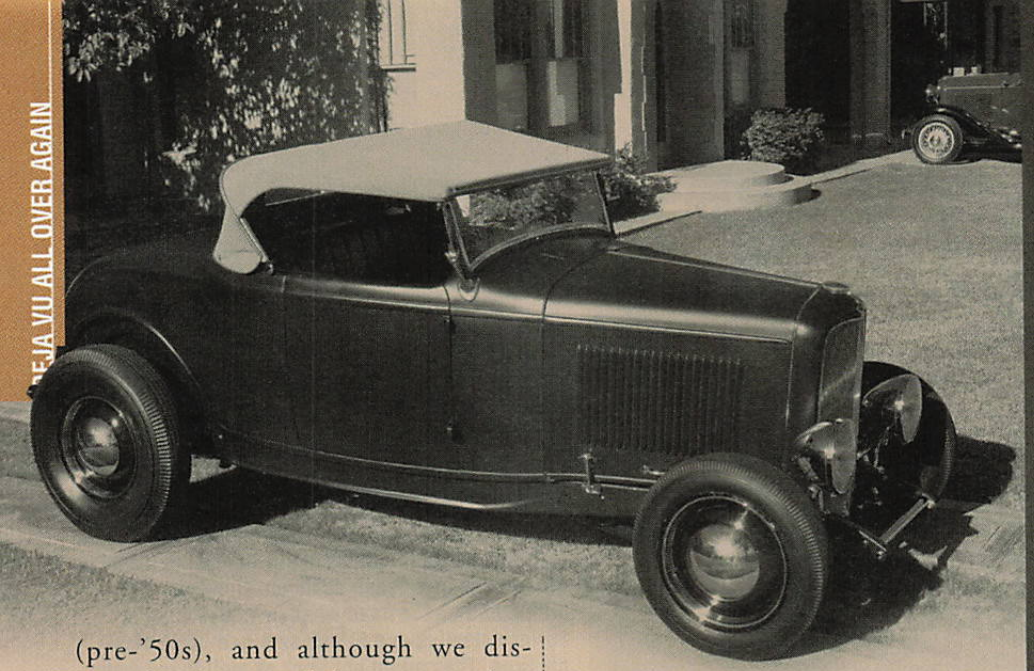
With so many aftermarket companies manufacturing perfect replicas of old-time wheels and tires, it can be a tough decision. However, Tom hit the nail on the head when he chose a set of 16-inch steelies and Firestone big 'n' little bias-ply tires. They might not track as well flying down the road, but that's a small price to pay for have the perfect wheel and tire combo.



The only thing cooler than being able to say your car has a Columbia two-speed rearend is driving one. This trick little rearend can go from blinding launches with the Columbia's 4:11 gear to its freeway friendly 2:97 gear at the touch of the vacuum-operated switch.

You may be asking why this Phoenix, AZ-based hot rod has a set of original '32 license plates from California, not to mention that San Diego-based club plack. As it turns out, Tom is a Phoenix transplant from sunny San Diego, and a life member of one of this country's oldest and most respected hot rod car clubs called the San Diego Roadster Club.

The LeBaron Bonney Company not only supplied the quality roadster top but also the original '32 seat upholstery. The tan leather has the perfect look and feel as if it were a well-worn driving glove. Simplicity and comfort are not usually both part of the hot rod equation, but then again, Tom Tait's roadster is nothing close to usual either.



(pre-'50s), and although we disassembled most of the car—engine, transmission, rear suspension, front suspension, steering box, carburetors, and seat—in order to put it together 'our way,' having the previously assembled car to work from made the buildup much easier. Most parts and fitment were done properly thanks to Bill Combs."

Some nine months after purchasing the '32, Tom and his good friends at Arizona Street Rods put the pile of early parts back together, instilling the coolest hot rod styling, using nothing but the best of early hot rodding speed parts. The '49 Flattie is not only one of the smoothest-running Flathead engines we've heard, Tom equipped it with parts like Offy heads, a stroked Mercury crank, a Isky camshaft, and an Offy tri-powered intake. Tom kept the early theme continuous even under the car with a '39 Ford three-speed trans equipped with Zephyr gears, an enclosed driveshaft hooked to a Columbia two-speed rearend, and a full set of '40 Ford drum brakes, just to name a few.

As for the body, look closely and you will notice every factory hole, even the factory mounting holes in the '32 chassis, was left alone, just as it would have been back in the early years of hot rodding. In many ways, the fact that all those holes are still there actually adds to the '32's cool style just as much as being true to the old-school tradition of construction. In fact, only the top was altered by taking 2 inches out for the perfect lean and attitude. Since Tom, and many others of the time, could not have afforded a nice paint job back in high school, and because it just looks so right, Tom had Arizona Street Rods finish off the body with a black egg-shell finish thanks to PPG's etching primer.

Once you step into the '32's interior, you instantly notice the fact that Tom spent as much time carefully choosing only the coolest traditional hot rod parts for the interior as he did for the engine and suspension. At first glance you notice all the right parts were used, including a stock dash, banjo steering wheel, and original seat, but taking a closer look reveals much more. The original '32 Ford dash is filled with eight period-perfect Stewart Warner gauges, and that's all; the '36 Ford banjo wheel is mounted atop an original '32 column, and in fact just about everything else you see inside this car is either original '32 Ford, or a perfect reproduction. In other words, this isn't your average "rat rod" by any means.

Finally, and probably the coolest part of this story, is the fact that Tom built this car to drive, *and drive he do.* One of the most memorable trips Tom can recall was a trip to his hometown of San Diego for the Goodguys Del Mar car show. Tom's drive from Phoenix to the show included making his way through a *storm* of butterflies. Tom recalls, "I got blasted by butterflies and couldn't see out the windshield. I had to stop in El Centro to blow out the radiator before cruising up the big hill to Jacumba at 70 mph at 2,100 rpm. Love that Columbia two-speed rearend!" SR

FACTS & FIGURES

Tom Tait
Phoenix, Arizona
'32 Ford roadster

CHASSIS	
Frame / Manufacturer	original Ford
Wheelbase	106"
Modifications	none
Chassis plumbing	steel pipe & rubber hoses as per original '32-'40 Ford specs
Rearend / Ratio	Columbia two-speed / 4:11/2:97
Rear suspension	'32 rear leaf spring w/ reversed eyes & sliders
Rear brakes	'40 Ford
Front suspension	'32 front leaf spring w/ reversed eyes & sliders
Front brakes	'40 Ford
Master cylinder	'40 Ford
Steering box	'32 Ford w/ needle bearings
Wheelcovers	'40 Ford Deluxe
Front wheel make, size	'40 Ford, 16x4.5
Rear wheel make, size	'40 Ford, 16x4.5
Front tire make, size	Firestone Deluxe Champion, 4:50x16
Rear tire make, size	Firestone Deluxe Champion, 7:50x16
Gas tank	original '32 Ford 12-gal

ENGINE	
Make	'49 Ford 8BA
Displacement	260ci
Machining / Assembly	Butch Smith (Frankfurt, KT) & Arizona Street Rods (Phoenix, AZ)
Crankshaft	4" stroked Mercury crank
Rods	stock
Pistons	8:1
Camshaft	Isky 77-B
Water pump	Ford
Radiator	U.S. Radiator Corp (Vernon, CA)
Alternator	Ford 12-volt generator
Heads	Offenhauser
Valves / Springs	Johnson adjustable lifters & springs
Manifold / Induction	Offenhauser three-pot w/ 97s
Ignition / Wires	Mallory dual point distributor
Headers	Reds Headers (Fort Bragg, CA) nickel-plated
Exhaust / Mufflers	Smitty muffs
Other engine facts	balanced & blueprinted

TRANSMISSION	
Year and make	'39 Ford w/ Zephyr gears
Pressure plate	11"
Trans mods	Arizona Street Rods
Driveshaft	'39 Ford enclosed

BODY	
Body style / Material	roadster / steel
Body manufacturer	Brookville Roadster
Body mods	2" chop
Hood	'32 Ford
Grille	'32 Ford
Bodywork	Arizona Street Rods
Paint type / Color	PPG etching primer / black
Headlights / Taillights	'34 Ford / '37 Ford
Outside mirror	original '32 Ford

INTERIOR	
Dashboard	'32 Ford
Insert / Gauges	Stewart Warner
Wiring	Bill Combs (Lexington, KT)
Steering wheel	'36 Ford banjo
Steering column	'32 Ford
Seats	'32 Ford / handmade bottom
Upholsterer	LeBaron Bonney (Amesbury, MA) & Arizona Street Rods
Material / Color	leather / Tan
Carpet	rubber mat
Seatbelts	early Ford replicas

Follow the detailed instructions below to properly wash and wax your car.

The key to a proper wash and wax is in the details. It is of utmost importance to be prepared and to know the correct technique when washing and waxing your vehicle. If the proper procedure is not followed, then you will end up without a properly washed and waxed vehicle and everyone will be really disappointed. The truth of the matter is that the arduous yet **JUST***ifiable task of an all day wax and wash will be worth it. First, collect the numerous tools needed to complete your wash and wax. These include but are not limited to: sponges, dry towels, chamois, a bucket, a hose with spray nozzle attachment, wax, and an appropriate car wash detergent. You will also need a soiled car.*

Directions are as follows: Squirt a couple of ounces of detergent in a bucket and fill it from the garden hose. In order to clean your sullied vehicle, **WET IT** *first. It's important to spray the entire car down from top to bottom; removing as much of the caked on dirt as possible. Dip your sponge in the bucket and begin scrubbing the roof in a circular motion making sure to cover every inch with suds. After scrubbing the roof, move on to the rest of the car. Remember to scrub from the top down. Also, don't forget to always slide your trusty bucket along side you as you move along the car. After dunking the sponge in the nasty bucket several times you might want to refresh the solution.* **WASH***ing* **IT** *out accomplishes two things. 1. Fresh water and detergent. 2. It will get rid of any dirt that has accumulated in the bottom of the bucket. If you're not careful, dirt could end up in your sponge and may scratch the finish of your car. Now that we have scrubbed the car, spray the rest of the soap off and quickly get ready to dry. Towel handy? Great, you're prepared. Start at the top of the car and work down. Gently wipe* **&** *dry the entire car. This will keep you from having pesky water spots when the job is done. Don't forget those mirrors and windows. Great, we're half way there.*

Let's start waxing this puppy. Now, dry and clean, your vehicle's finish is ready to accept a fresh shine. Apply the wax to your car using a fresh terry cloth towel in a circular motion. Once you've given that babe a good massage, wait a while on the **WAX**. **IT** *will* **DRY** *before dusk. When buffing off the wax, stroke the car firmly so no residual wax remains. With your car shining pretty consider moving on to the interior. But that can wait for another day. Now you've got a proper wash & wax, and the exhaustion to prove it.*

The **SIMPLE** *way to get a wax with every wash.*

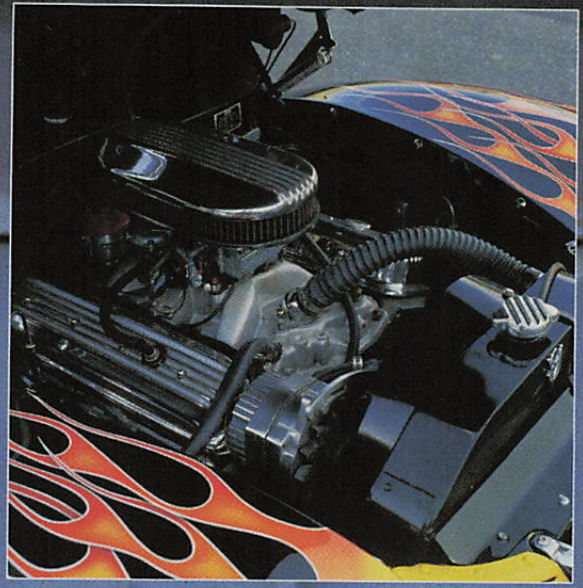
©2005 Armor All/STP Products Company

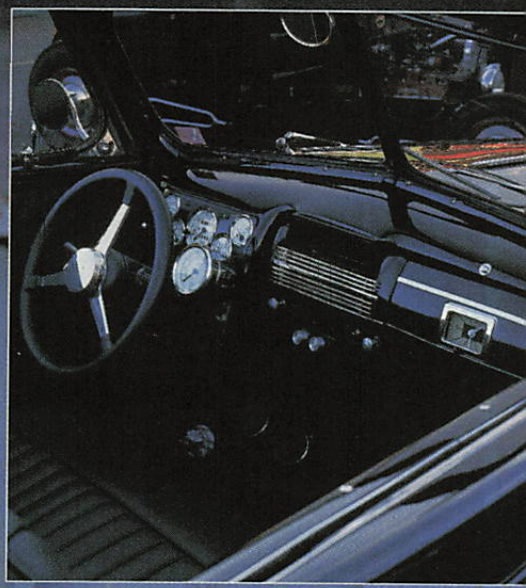
TRANSFORMED

For some lucky few who have the hot rod linage, building a career based on cars is no real stretch. Whether you were born with a natural mechanical ability or not, growing up around cars—hot rods to be more specific—can give a person a love and understanding of our hobby, unlike some of us later-in-life types who have to spend many years catching up on all the intricacies (that's a nice way of saying frustrations) of building or even owning a street rod. There are all sorts of things that can go terribly wrong while driving or constructing street rod. Guys like the owner of this fine '40—Monty Lewellen of Woodland, Washington—have that inbred ability to pick up on these types of frustrations and work right through them as if they were just part of the game. Growing up with a hot rod dad and being partners in a used car lot with your brother can be a great way to learn the ins and outs of rodding. So good at this is Monty that he has been quite successful at picking up extremely well-built street rods and transforming them into the rod of his dreams without all the mess of starting from scratch. This may be a good lesson to learn, and a really smart way to go for quite a few of us. However, being able to pick up on a well-built car versus a terribly built car that might look great on the outside, but ...

The beautiful '40 Ford convertible you see here is one of those hard-to-find cars that was well built a few years back, but needed some finishing touches to really set it apart. With kids in the house, Monty's family needed to find a car with windows and a little more space for the kids, rather than squeezing the entire family into Monty's other hot rod that just happens to be a '30 Ford roadster with no windows or much sitting space. Another cool aspect of growing up around cars is that by the time you are an adult, you have a legion of friends who always have their hot rod radar going in all directions. Thankfully for Monty, one of his good fiends coughed up some info on a nicely rodded '40 convertible for sale that had been sitting for quite some time. Knowing exactly what to look for when buying a used street rod, Monty knew this car could easily be redone to his liking, since it had been built in the late '80s to early '90s.

(top left) It doesn't get much better than a well laid out traditional flame job on a flawless black body. Credit for this one goes to Art Hedman of Cathlament, WA, for spraying the black, laying the flames, and finishing it all off nicely with white pinstripes.
(top center) Even though the '40 already had this stout '90 Chevy Corvette small-block installed, its new owner, Monty Lewellen, went to town transforming the modern powerplant into a more traditional-looking piece by removing the FI setup and replacing it with a single Holley four-barrel and a ton of finned and polished aluminum accessories.
(top right) Clean and neat might be the best words to describe this '40's interior, but it couldn't have happened without VDO's classic white-faced gauges, Lobeck's V8 Shop Bell-style aluminum steering wheel, and Weaver's Upholstery of Silver Lake, WA.





AND BETTER THAN EVER

one man's tired street rod is another man's dream car

BY JASON WALKER | PHOTOGRAPHY BY PETER VINCENT

With the top down, the '40 takes on a completely different look. Now Monty's only problem is deciding top up, or top down. Either way, a keen eye for well-built, used street rods paid off in spades for Monty Lewellen when he found a clean, reliable driver to transform into the '40 he always dreamed of.

Before he put a dollar down on the '40, Monty had already figured out that the '40s foundation—consisting of a boxed original frame, Mustang II IFS, and a 9-inch Ford posi out back—was all in ideal shape and perfect for reliable traveling. The only problem was that the car sat a little high and was in need of a new set of rollers that matched Monty's style and fit the car a little better than the Weld wheels sticking out past the fenders. As luck would have it, or as Monty planned from the beginning, a new pair of Heidt's dropped spindles and springs set the '40's nose closer to the asphalt, and a set of 15-inch Vintique chromed OEM-style wheels with Coker bias-ply wide whitewall tires gave her the look Monty was after. Monty also has a set of big-inch American five-spokes ready and waiting any time he feels like adding some modern styling to the '40s profile.

Next, Monty wanted to freshen up the road-hard paint by having Art Hedman of Cathlament, Washington, fine-tune the body and lay down a fresh coat of PPG's finest black urethane. It wasn't until a year after Art sprayed the '40 black that Monty got the urge for flames. Not only can he lay down a beautiful black paint job, but Art's talents also reach out into the custom-paint zone as seen on the front of Monty's '40 in the form of over 170 licks.

To keep the traditional theme running throughout the entire car, and wanting an extra comfortable interior, Monty went to Weavers Upholstery of Silver Lake, Washington, to cover the original '40 front and rear seats that, by the way, weren't the easiest to find (even for a well-connected car guy like Monty), in the rich-feeling yet affordable Ultra Leather stitched in a traditional rolled-'n'-pleated pattern. The clean '40 Ford dash was also retained but now set up with VDO's classic-looking white-faced gauges, original clock, and a Clarion sound system. Bolted to the Chevy tilt column is the very traditional Lobeck Bell-style steering wheel as icing on the cake.

Being a hot rodder at heart, Monty loved the pedal power already installed in the '40, but wanted to give the fuel-injected '90 Chevy Corvette small-block a more traditional look to go with the new look of the '40. This meant swapping the fuel injection unit for an Edelbrock intake and Holley carb combo. Monty also installed a set of Mooneyes finned valve covers, and a slough of polished goodies from O'Brian Truckers to match. Monty also went through the Chevy Muncie M-21 four-speed trans by adding a Centerforce clutch and Hurst shifter. EQ Muffler of Longview, Washington, took care of custom-building a new exhaust system complete with coated fenderwell headers and a pair of Flowmaster mufflers.

Maybe this car is proof positive that having enough patience and knowing exactly what to look for, as well as what to look at, can yield a smart buy on a used but well-built street rod that only needs a facelift and/or an attitude adjustment to become the car of your dreams. Less work, less money, and the same results in the end? Sounds perfect, just don't forget: buyer beware! SR

FACTS & FIGURES

Monty and Tonia Lewellen
Woodland, Washington
1940 Ford convertible

CHASSIS

Frame / Manufacturer	original
Modifications	boxed, notched in front for IFS
Rearend / Ratio	'69 Ford 9"/ 3.50 posi
Rear suspension	TCI Engineering (Ontario, CA) parallel leaf, homebuilt traction bars
Rear brakes	Ford drum
Front suspension	Ford Mustang II
Front brakes	Ford 11" disc
Master cylinder	power
Front wheel make, size	Wheel Vintique (Fresno, CA), 15X6
Rear wheel make, size	Wheel Vintique, 15X8
Front tire make, size	Coker (Chattanooga, TN) WWW, 5.60-15
Rear tire make, size	Coker WWW, L-78-15
Gas tank	original

ENGINE

Make	1990 Chevrolet
Displacement	350ci
Machining / Assembly	Chevrolet
Water pump	chrome
Cooling fan	manual & electric
Radiator	Walker Radiator Works Inc. (Memphis, TN)
Alternator	polished
Heads	aluminum
Valve covers	Mooneyes USA Inc. (Santa Fe Springs, CA) finned aluminum
Manifold / Induction	Edelbrock Performance Products (Torrance, CA)
Ignition	Mallory Unilite
Headers	custom fenderwell, coated
Exhaust / Mufflers	EQ Muffler (Longview, WA) 2 1/2" / Flowmaster

TRANSMISSION

Make	Chevrolet, Muncie M-21 four-speed
Clutch	Centerforce (Prescott, AZ)
Shifter	Hurst Shifters (Cleveland, OH)
Driveshaft	custom

BODY

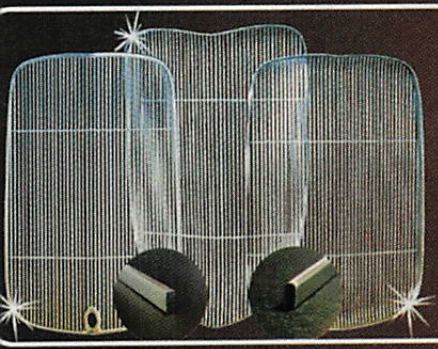
Body style / Material	convertible / steel
Body manufacturer	Ford
Body mods	shaved, rear top bow cut down 2"
Grille	Bob Drake Reproductions Inc.
Paint type / Color	PPG Industries black w/ flames
Painter	Art Hedman (Cathlament, WA)
Graphics	flames by Art Hedman
Outside mirror	SO-CAL Speed Shop (Pomona, CA)
Bumpers	Bob Drake Reproductions (Grants Pass, OR)

INTERIOR

Dashboard	'40 Ford Deluxe
Gauges	VDO
Stereo / Speakers	Pioneer
Air conditioning	Vintage Air Inc. (San Antonio, TX)
Steering wheel	Lobeck's V8 Shop (Cleveland, OH) "Bell" style
Steering column	Chevy Van
Seats	original
Upholsterer	Weavers Upholstery (Silver Lake, WA)
Material / Color	Ultra Leather / black

Dan Fink's Bar & Grille

Always on the Menu



Handcrafted
Grille Inserts for Fords and Chevys of the '30s

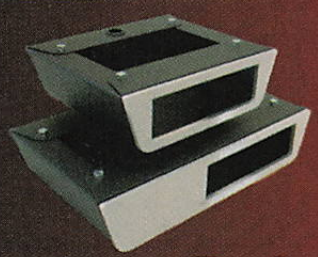
Retract-A-Plate®

Econo Kit	$115
Full Kit	$145

Radio Boxes

Small	$45
Large	$49

Optional Fronts
Stainless or Aluminum



Aluminum Tanks

1.6qt	$166
2.2qt	$175

Dash Spears
Sleek or Deco
Long or Short.
Only $75 Pair.
Gauge Panels
Also Available

Windshield Post & Frame Kits
For 1932 '33 & '34
Kit Form $550 - Fully Assembled $795
Posts Only $225

All New! Lift-Off Latch Kit
If You're Running a Hood Top Only

Easy Installation

No Hood Sides? No Problem!
Fits Most Street Rod Applications
Lift-Off Kit only $165

Still Serving

Single-Side Opening Kits		$295
Double/Triple Opening Kits		$345
Hood Brace Kits for Most Cars		$ 70
Hood Prop Kits	3-Piece Hood	$ 35
	4-Piece Hood	$ 25

DAN FINK METALWORKS · HUNTINGTON BEACH, CA · SPECIALTY METAL FABRICATION

Call for Free Flyer
800-548-6984

Dan Fink Metalworks
17872 Metzler Lane
Huntington Beach, CA 92647
www.HotRodProducts.com

SUPERIDE from HEIDT'S

OPEN WHEEL SUPERIDE $2,895

`28-`34 Ford
Other Applications

SUPERIDE II $2,495

`35-`48 Ford / `37-`41 Willy's
`47-`54 & `55-`59 Chevy Pick-Up
`35-`41 & `53-`56 Ford Pick-Up
`37-`48 Chevys

SUPERIDE $2,495

`28-`31 Ford, `32 Ford, `33-`34 Ford
`34-`35 Chevy

FACT: Others offer Custom IFS Systems, but only HEIDT'S Hot Rod Shop IFS offers all the features you want at a price you can afford.

Independent Front Suspension has become the industry standard for street rods. With a HEIDT'S IFS you put real dollar value in your car, as HEIDT'S Hot Rod Shop is the recognized industry leader in Independent Front Suspension Systems. Why? HEIDT'S specializes in Independent Front and Rear Suspension systems! HEIDT'S has engineered the ultimate, the lowest and the smoothest ride in the industry today. Look at all the

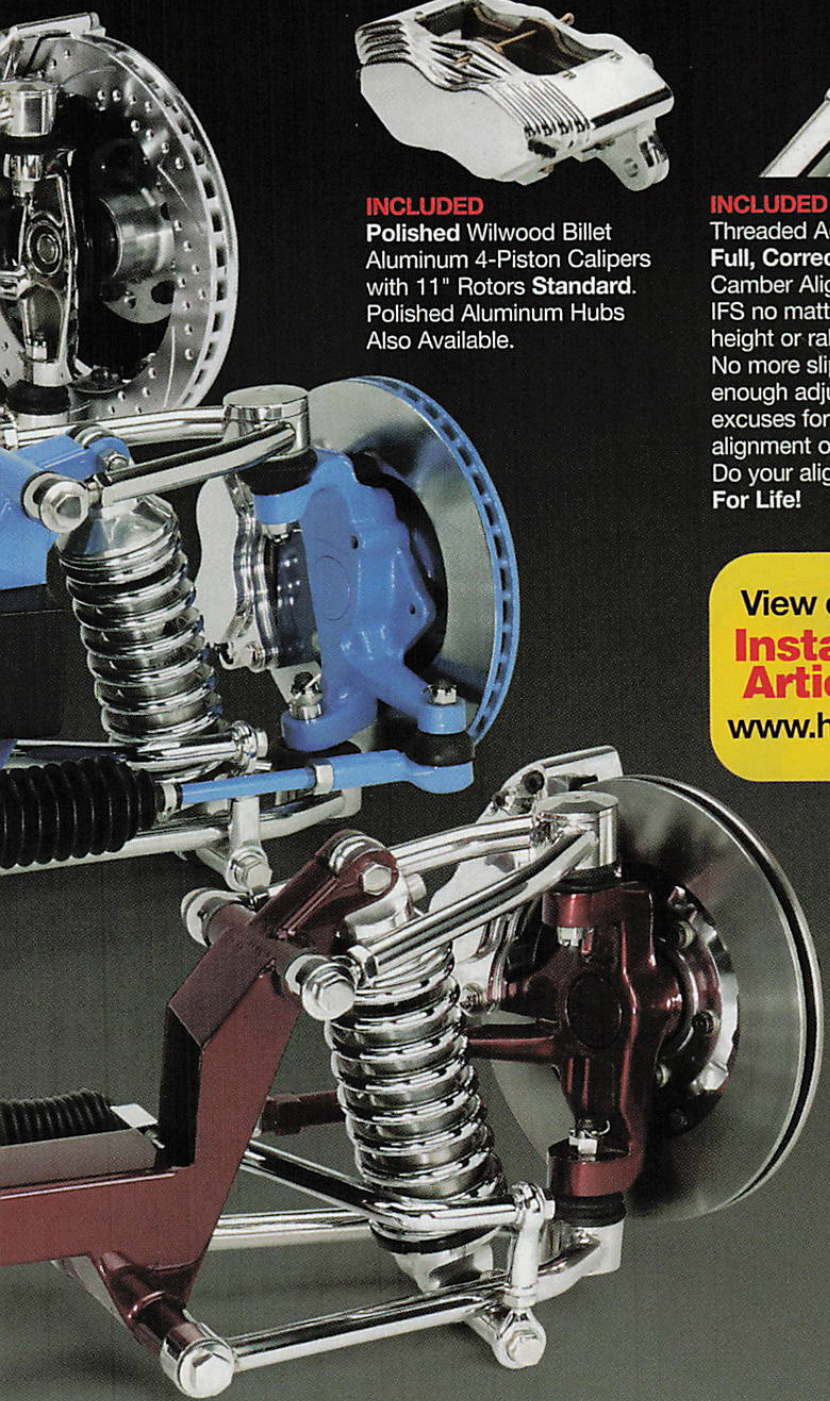
HEIDT'S value added **STANDARD** features:

- Dropped Superide™ Spindle gives you a low riding, clean look.
- Strong, Real **One Piece** Spindle beats the "Bolt Together" bolt-on steering arm Spindle as the Smoothest, Cleanest look available.
- Stylish, Shaped Control Arms are tops in appearance.
- Fully Adjustable Stainless Steel Adjusters allow **Complete, Correct, LIFETIME** Alignment at any ride height or rake you select. No more compromises in Handling or poor Tire Wear.
- Aldan Eagle Billet Aluminum fully adjustable Coil-Over Shocks for high tech looks. Full Dampening and Ride Height adjustable.
- Chrome Plated Coil Springs, the best for Looks.
- 56" Hub to Hub width standard. Narrowed Arms at no charge.

Options Available to Really Dress Up your IFS installation:

- Polished Stainless Steel Control Arms and Hardware
- Polished Stainless Spindles for the Ultimate in appearance.
- Polished Aluminum Backing Plates to compliment your Stainless Spindles for that final detail.
- Polished Billet Aluminum Coil-Overs for the first class look.
- Polished Aluminum Hubs look the Best, especially with Billet Wheels.
- Cross Drilled 11" Rotors for High Performance Braking

SAE SEMA

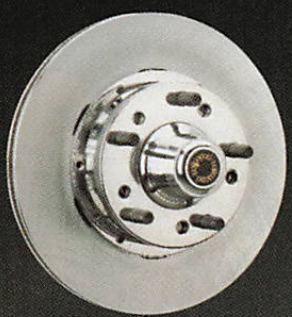


INCLUDED
Polished Wilwood Billet Aluminum 4-Piston Calipers with 11" Rotors **Standard**. Polished Aluminum Hubs Also Available.

INCLUDED
Threaded Adjusters Allow **Full, Correct** Caster and Camber Alignment of your IFS no matter what ride height or rake you select. No more slippage or "not enough adjustment" excuses for incorrect alignment or worn tires. Do your alignment **Once, For Life!**

INCLUDED
Aldan Eagle Billet Aluminum Coil-Overs, fully adjustable for fluid dampening and ride height **Standard**. Chrome Springs **Standard**. Polished Shock Bodies Optional.

View our many **Installation Articles at** www.heidts.com



OPTIONAL
Polished Aluminum Hub 11" Brake Rotors. Dual Bolt Pattern. 13" Rotors with 6 Piston Calipers Also Available.

OPTIONAL
Polished 17-4 Stainless Spindle available. **Polished** Aluminum Backing Plates available. Bolt-on Caliper Brackets allow many Big Brake Options.

- 13" Big Brakes with 6 Piston Black or Polished Billet Aluminum Calipers and Cross Drilled Rotors for the ultimate in stopping power.
- Polished Stainless Steel Tie Rod Ends. Sealed for life.
- Caliper Covers for that Clean, Smooth Look
- Sway Bars for Better Handling

HEIDT'S Hot Rod Shop is the recognized leader in Independent Front Suspension Systems for street rods. No other manufacturer can give you a better IFS system. HEIDT'S delivers on performance, quality, and best of all, delivery. Compare these quality points and see why.

- HEIDT'S has your kit **IN STOCK**. They ship their kits often the same day.
- HEIDT'S gives you built-in anti-dive.
- HEIDT'S exclusive geometry means better performance and handling.
- Narrow Control Arms for beefy front tires.
- HEIDT'S gives you a specific multi-page, easy to follow instruction booklet for your particular application, enthusiast tested, designed for the home builder.

OPTIONAL UPGRADES

Polished Stainless Packages	from $499
Polished Coil-Overs	$ 80
Polished Stainless Steel Spindles	$249
Polished Aluminum Rotor Covers	$169
Polished Aluminum Hubs	$399
Polished Stainless Steel Tie Rod Ends	$ 78

Many More Options Available

In Stock TODAY!
UPS Shippable
No Crating Charge
Same Day Shipping!

VISA MasterCard DISCOVER

Toll-Free 1-800-841-8188
In Illinois 847-487-0150
www.heidts.com

HEIDT'S

111 Kerry Ln. Wauconda, IL 60084 Hot Rod Shop, Inc.

ididit INC. SHOP TOUR

with a new 32,000-square-foot facility, we thought it was time to take a closer look

BY JASON WALKER | PHOTOGRAPHY BY RANDY LORENTZEN

One of the coolest aspects of writing for a magazine like *SRM* is being able to go behind the scenes with some of our hobby's most innovative manufacturers. Those who start out making their products at home, then, through years of scratching and climbing, manage to turn their tiny businesses into full-fledged manufacturing companies turn out to be some of the biggest names in street rodding.

Ken Callison, owner/operator of the ididit Inc. company, is one of these proud homebuilders who turned a few great ideas into one of the most respected aftermarket business in the industry. The ididit story starts out sounding like many other homebuilder stories: A good idea turned into a cool part—in this case, the part was a steering column—then at the urging of friends, Ken started building columns on a one-to-one basis for his fellow hot rod buddies. It wasn't long after that Ken and his son, Scott, who by the way was ididit's first official employee, were frequenting car shows showing off their handiwork. During these first few fledgling years Ken also worked full-time for the Ford Motor Company while spending every other free minute designing and redesigning his columns.

This home business quickly out-grew the garage and forced Ken and Scott to not only find a larger facility, but also to hire more employees. By 1991, Ken moved his shop into a 3,000-square-foot shop in Clinton, Michigan, where business blossomed, allowing Ken to quit his job at Ford to get serious about building his steering-column empire.

It was also the right time to bring in the big guns, so Ken's wife came on

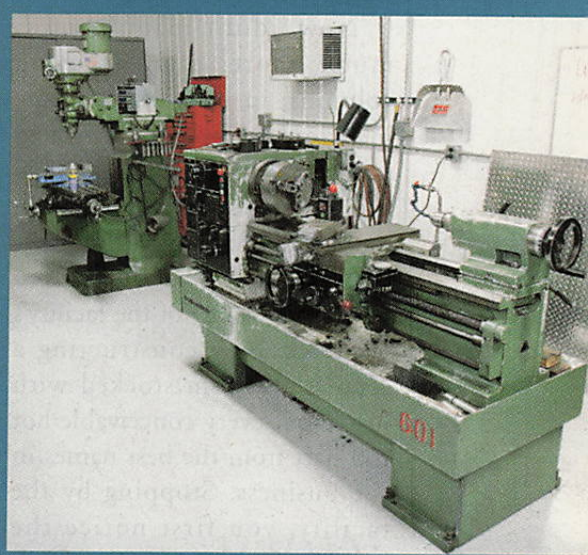
This roadside sign just about says it all. The new ididit facility in Tecumseh, MI, has plenty of room for all 25 full-time employees, a huge manufacturing area, a research and development department, a retail store, and a topo-notch shipping department that must run 24 hours a day.

Along with ididit's full line of steering columns and related parts, the retail store also stocks a plethora of street rodding aftermarket parts and accessories to outfit just about any rodder on the search for the stuff.

As any successful business owner knows, it takes a great staff to keep a business booming. Here at ididit, these are just a few of the smiling faces who will take your orders, help you find the right parts for your projects, and keep the wheels of business running *smooth as silk*.

Instead of blank white office walls, Ken's wife and business manager took things into her own hands and put together a more interesting decor.

We're pretty sure Ken never imagined he'd be sitting behind a desk in a spacious office like this way back when he and his son were carving homebuilt steering columns, but we're also pretty sure he couldn't be happier.



When one of ididit's team of thinkers comes up with a new idea, this is the area where it will first be constructed into a prototype.

In order to keep up with demand, the ididit manufacturing team keeps plenty busy making sure the shelves are fully stocked and ready for shipment to all ends of the globe.

(left) Each of the hundreds of different parts manufactured at this facility is assembled by hand for the finest in quality control. *(above)* This new facility is large enough to house much of the necessary raw materials need for manufacturing. That sweet-looking chassis will most likely be the foundation for an award-winning street rod in the near future.

board to manage the business end. Just two years later, Ken and crew once again needed more room to stretch, this time into the 32,000-square-foot facility in Tecumseh, Michigan, with a full-time staff of 25 employees, including daughter Kim heading up the human resource end of things.

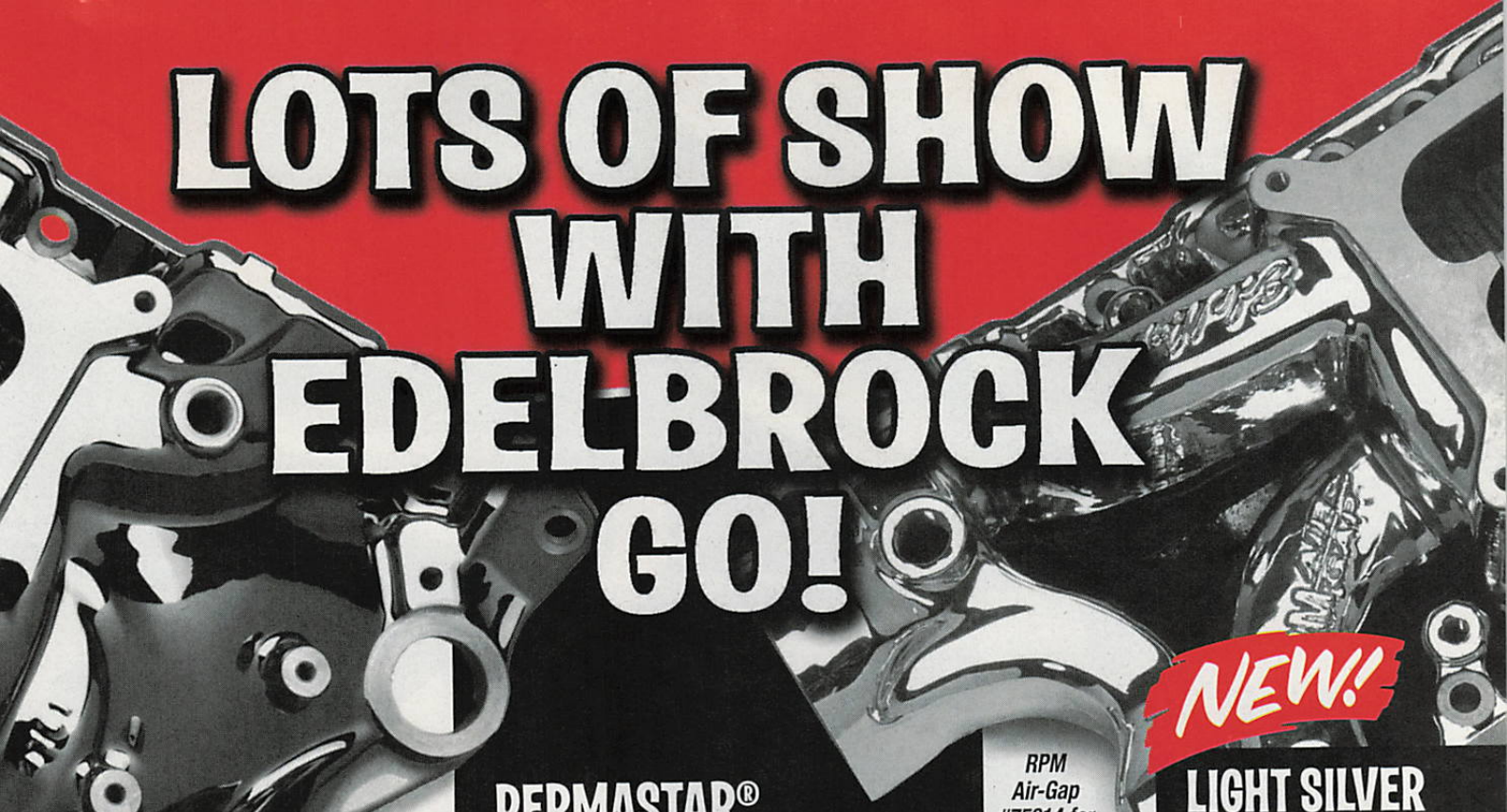
Now, ididit manufactures much more than steering columns; in fact, its line now includes just about every related accessory, like column drops, cable shift linkage, and much more. To complement the ididit line of steering products, Ken has utilized some of the facility's large space by constructing a retail showroom stocked with just about every conceivable hot rod part from the best names in the business. Stopping by the facility, you first notice the building looks as if it were built in the '30s with cool neon and art deco styling. Once inside, the theme continues, thanks to Ken's wife, Jane, who even designed mock hot rod shop/gas station pieces, including signs, vintage gas pumps, and old hubcaps.

Even though we all know the story behind the business now, it is still hard to believe by looking at ididit's new facility that it all started out in Ken Callison's home garage, but then again, that's what makes this country so amazing—well, and the fact that Ken and family worked very hard to achieve all that they have. SR

ididit Inc.
610 S. Maumee St., Dept. SRM
Tecumseh, MI 49286
(517) 424-0577
www.ididitinc.com

The heart of any manufacturing business like this one is comprised of the latest and greatest tooling your business money can buy. For ididit, only the best in CNC mills and lathes are used to produce the grade-A products its business is based on. Between Ken pounding out CAD programs and Ken's son, Scott, turning those programs into parts, the business is always expanding and refining current parts with state-of-the-art machines—like the newest addition to the shop, a Mazak Laser cutting machine—for the ultimate in precise cutting.

LOTS OF SHOW WITH EDELBROCK GO!

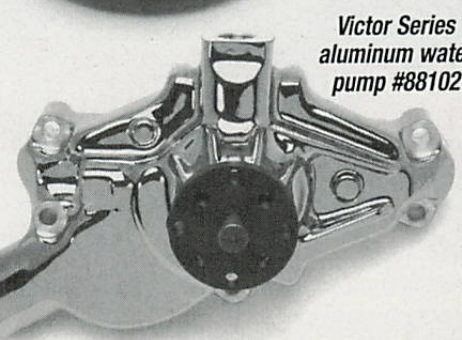


DARK SILVER PERMASTAR FINISH

Performer EPS #27012 for small-block Chevy

PermaStar® GOODRICH TECHNOLOGY

Super Series valve cover #4171 and oval air cleaner #4220 with PermaStar finish



Victor Series aluminum water pump #88102

PermaStar® is a registered trademark of Goodrich Technology Corporation

Some parts are not legal for sale or use on pollution controlled motor vehicles.

PERMASTAR® AND ENDURASHINE™

Two "No Hassle" Finishes Now Available on Select Edelbrock Manifolds, Water Pumps and Accessories...

- **Virtually maintenance free chrome-like finishes with no 'elbow grease' required to keep parts clean and shiny!**
- **Choose our dark silver PermaStar finish for a look that's similar to black chrome**
- **Get our EnduraShine finish for a chrome-like look that is lighter in color than PermaStar**
- **Won't oxidize, fade or discolor like traditional chrome plating**
- **Order these new finishes on select small- and big-block Chevys & small-block Fords**
- **Matching Edelbrock water pumps, valve covers and air cleaners also available**

GET FREE CATALOGS... IN PRINT, CD OR ONLINE

Call **1-800-FUN TEAM, ext. 3009** or go to our web site. Tech: 1-800-416-8628, 7am-5pm PST, M-F.

WWW.EDELBROCK.COM

Edelbrock®

RPM Air-Gap #75214 for small-block Ford

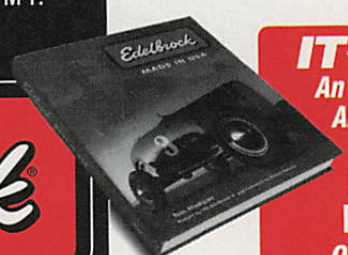
NEW!

LIGHT SILVER ENDURASHINE FINISH

ENDURA SHINE™

Elite Series valve cover #42604 and air cleaner #42074 with EnduraShine finish

Victor Series aluminum water pump #88104



IT'S HERE!

An Exciting New Book About the Pioneers of Hot Rodding

EDELBROCK: MADE IN USA

ORDER IT ONLINE!

Looking at this photo, you might think it was taken a number of decades ago—you'd be mistaken though. Here (left to right) Ken Schmidt, Keith Cornell, and Dave Moyer of the Rolling Bones Hot Rod Shop get ready to install the hopped-up baby Hemi into the 'rails of Dennis Varni's new blacktop burner.

Believe it or not, there are places in this vast country that are yet unspoiled by the hustle and bustle of everyday life, where the world around you becomes a blur of technology, gadgetry, complexity, and high maintenance; causing people to be continually forced to work tirelessly just to stay in the know—to stay on top.

ROLLING BONES HOT ROD SHOP

BY CHUCK VRANAS

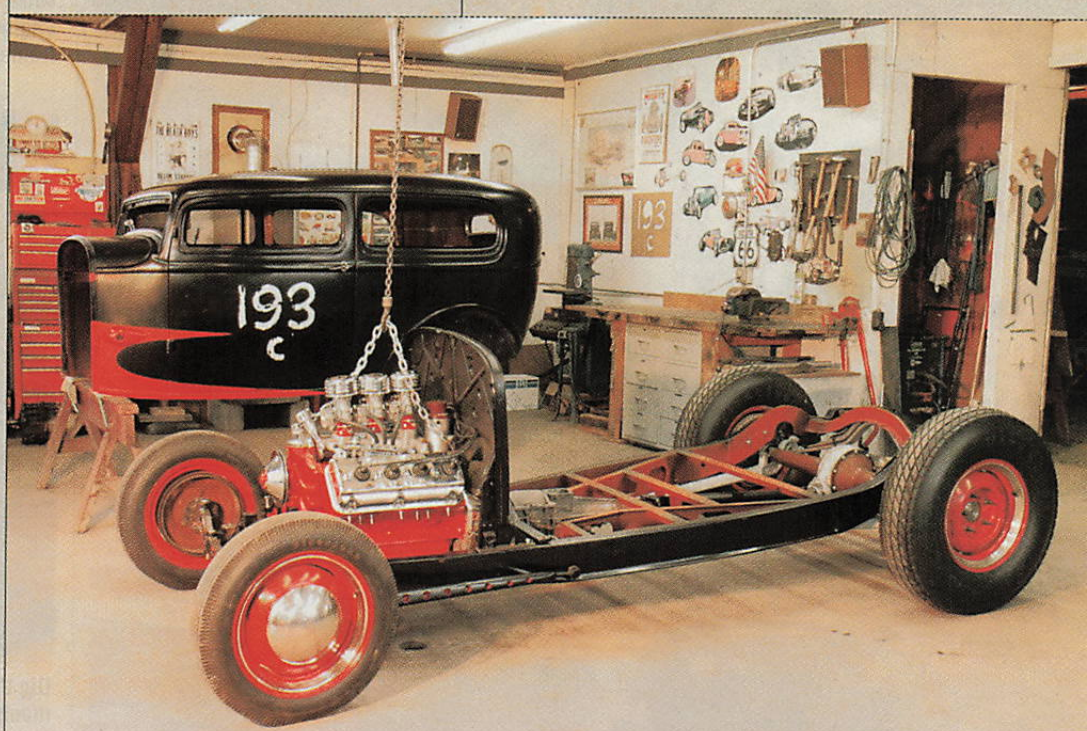
Old films are one way to recapture the feel of how the land once was, where you can imagine driving down an old country road in your chopped coupe with a blazing Flathead raging between the framerails as you pass countless farms and classic old buildings that set the landscape with architecture rich enough to make you want to call it home. If this sounds like something out of an old B movie, think again, 'cuz it's the real deal. In fact, it's alive and well in upstate New York, where the Rolling Bones Hot Rod Shop in Ballston Spa, New York, makes its home in the positively breathtaking area just outside of Saratoga Springs, where time itself seems to stand still.

If the devil himself ever sat down to design his very own hot rod shop, it would obviously, without a doubt, have to be one with guys who create cars with their very own souls to achieve period-perfect stances, aggressive attitudes, patina-emblazoned bodies, and enough zest to make them look like they're going 100 mph while they're standing still as they send a chill up your spine. Indeed, that sounds like the Rolling Bones Hot Rod Shop in a nutshell. For Ken Schmidt, Keith Cornell, and Dave Moyer, era-perfect hot rods have run deep in their veins since they we all young'uns growing up in the '50s. Each man has his own set of stories that eventually brought him together with the others in the last decade to start building some truly memorable cars. Their style is truly unique, and each will freely admit that it takes all three of them to build a car that will evoke the golden age of hot rodding of the late '40s and early '50s.

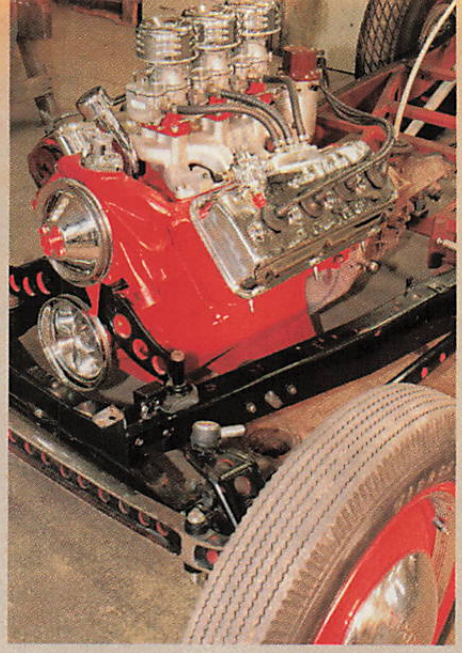
It takes loads of research, long sleepless nights, total devotion, and a thoroughness that defies description to come up with the total recipe to turn out these cars one at a time. Having made numerous cross-country trips to the West Coast and Bonneville in their cars, all three members of the team have proven that their cars ooze durability and that they can be driven hard for hundreds of miles, with strength and reliability leading the way.

On a recent visit to their shop, we were able to catch up with a brand-new Rolling Bones ride that was coming together for well-known West Coast hot rodder Dennis Varni, and we're here to tell you firsthand that it's a truly wicked ride in every sense of the word! The new Deuce Tudor was getting its final run-through and its knockout 241-inch '53 Dodge Hemi was lowered into the framerails fresh from Chris Zootis' shop in Healdsburg, California. It tore into the dyno at 251 hp thanks to a high-lift cam, ported and polished heads, Offy three-pot intake, and Vertex mag lighting the fire.

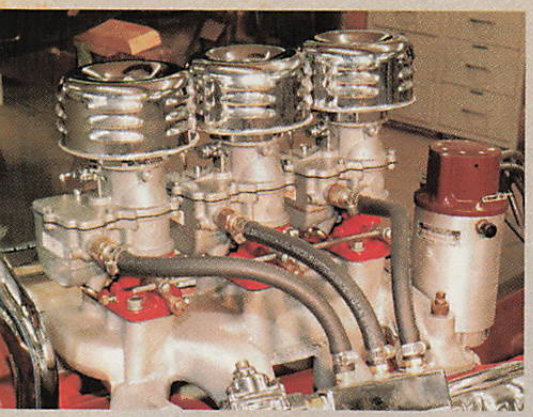
The chassis has countless tricks that are signature to the shop, like inboard mounted Houdaille shocks, Schroeder steering, bobbed framehorns with a dramatic frame pinch, and a Halibrand V-8 centersection out back with '36 Ford housings. Looking at the body, there's nothing like a real hard chop and, once again, the guys

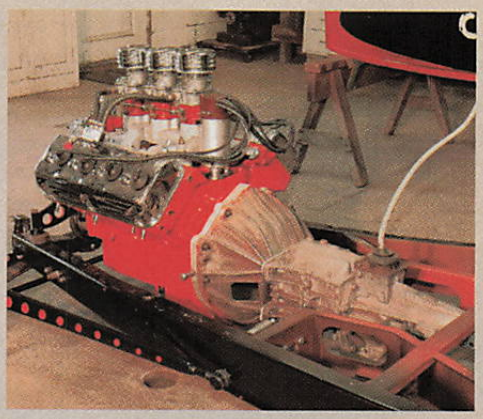


We found the latest creation built for Dennis Varni awaiting final assembly deep inside the voodoo lounge at the Rolling Bones shop. The Deuce Tudor was oozing wickedness thanks to a late-'40s feel that included a hard chop, vintage Hemi V-8, and fresh weathered paint.

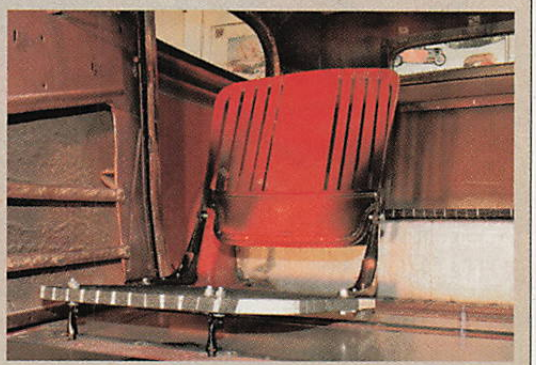


(left) There's just something to be said about seeing a new ride waiting for its heartbeat to be installed; talk about a rise in your adrenalin levels! *(right)* The '53 Dodge Red Ram 241-inch Hemi was filled with the finest go-fast goodies available, including an Offy three-pot intake topped with a trio of Stromberg 97s, high-lift cam, full port and polish, and a Vertex mag to light the fire. Dyno'd at 251 hp, the lil' Hemi should have plenty of scoot for the Deuce.

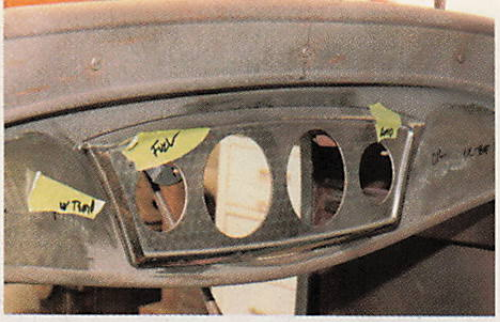




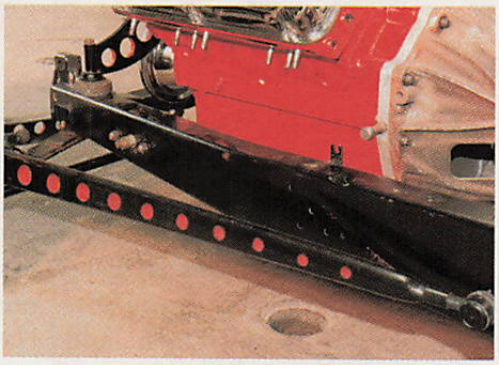
(left) With a lot of attention to detail, the 241-inch Hemi will have plenty of heavy breathing thanks to an Offenhauser intake topped with three 97s wearing vintage-styled helmets as a Vertex magneto keeps everything ready for action. *(right)* Check out how perfectly everything fits here. Form follows function and if it isn't going to help performance, it's not invited to the party. The Hemi is mated to one of the few updated items on the car; a T5 standard transmission topped with a vintage shifter via a Chevrolet bellhousing, 'cuz ya gotta have three pedals.



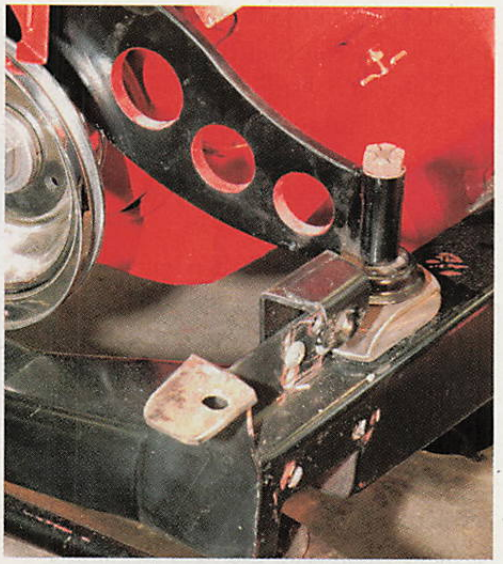
(left) Starting with a mint '32 Ford Tudor body, the crew at Rolling Bones hammered it hard, removing 5 1/2 inches up front and 5 1/4 inches out back while laying back the A-pillar and adding a custom-louvered removable roof insert fashioned from a '51 Jeep Wagoneer lid panel. The patina-styled paint scheme has become one of their signature items and here they added plenty of zest by including old-timey scallops and the 193c tag graphics ... cool. *(right)* With a lid that's as heavily hammered as the one in the Deuce, you had better hope the interior is thought out for total comfort on those long road trips. Designed for maximum drive comfort, the yet-to-be-covered seats are set up perfectly and there are even a few tricks in the back, like a hidden tool tray that will be under the rear passenger seat.



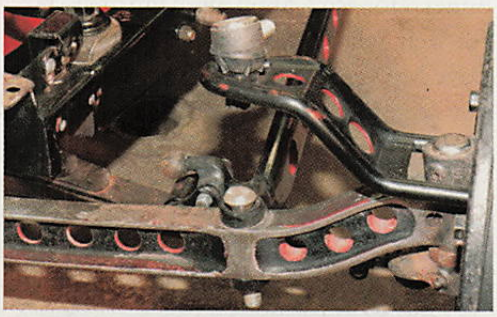
Wanting a little different look to his dash, Dennis supplied the crew with a classic vintage marine insert with an engine-turned face that will bring tons of style to the inside of this soup-job.



From this angle you can appreciate the split wishbones, which have been drilled and gusseted when they are combined with the front axle, trick engine mounts, and dramatically pinched front framerails.



Dig the tasty custom-fabbed and drilled engine mounts by Rolling Bones for the baby Hemi as they make time with the vintage chromed '32 Ford drilled front axle.

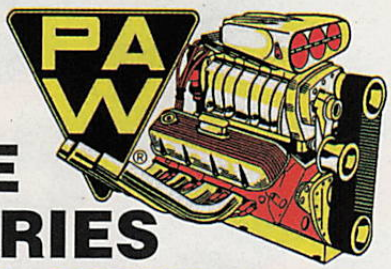


Looking like its been serving duty since '49, the frontend is just plain bitchin' with a combination of a drilled original '32 Ford axle, mated with the custom-fabbed steering arm set up to work with a new Schroeder steering box.

OVER 25 YEARS

The Leader

IN HIGH PERFORMANCE ENGINE PARTS & ACCESSORIES



P.A.W.'s ALL NEW 2005 CATALOGS

HEMI Our exciting color catalog contains all the parts you need to build and service an Early Chrysler Hemi. From timing covers to transmission adapters, individual gaskets to complete supercharged engine kits, it's all here. We've included many new, exclusive parts, plus a spotter's guide to help identify these legendary engines.

CHRYSLER Contains all the high performance parts and accessories for your Dodge, Chrysler or Plymouth needs. Top quality parts and accessories from all your favorite name brand manufacturers at money saving prices.

GM Contains high performance engine parts and accessories for your GM vehicle. Buick, Cadillac, Chevy, Oldsmobile or Pontiac – we've got the parts you need. Order your copy today!

FORD If your machine is powered by the "Blue Oval" you need this catalog. Packed with top quality name brand engine parts and accessories like complete engine kits, stroker kits, rebuild parts and more. From oil pan to air cleaner, it's all here. Because we specialize in engine parts you get a bigger selection, lower prices and professional service.

DON'T REBUILD YOUR ENGINE WITHOUT YOUR P.A.W. CATALOG!

CATALOG ORDER HOTLINE:

818-678-3203

Monday thru Friday, 8:30 am to 5:30 pm (PT)

OR ORDER ONLINE AT

www.pawengineparts.com

FAX# (24 Hours/Day): **818-678-3001**

(Sorry, No COD's Accepted!)

Name _____ Phone# _____

Street Address _____

City _____ State _____ Zip _____

Bill My: ❑ VISA ❑ MASTERCARD ❑ AM. EX. ❑ DISCOVER/NOVUS

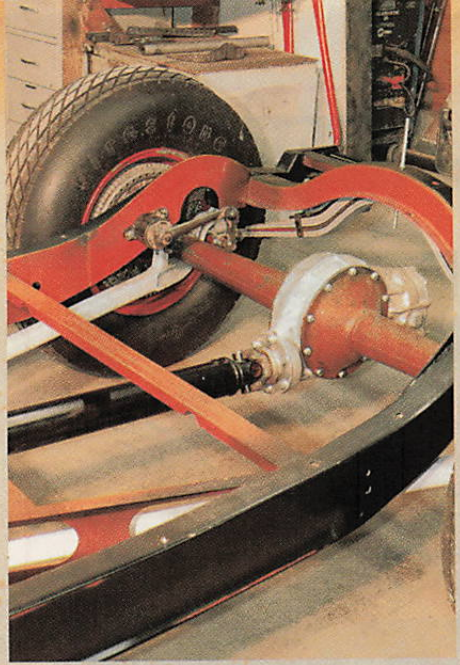
Card#: _____ Exp.: _____

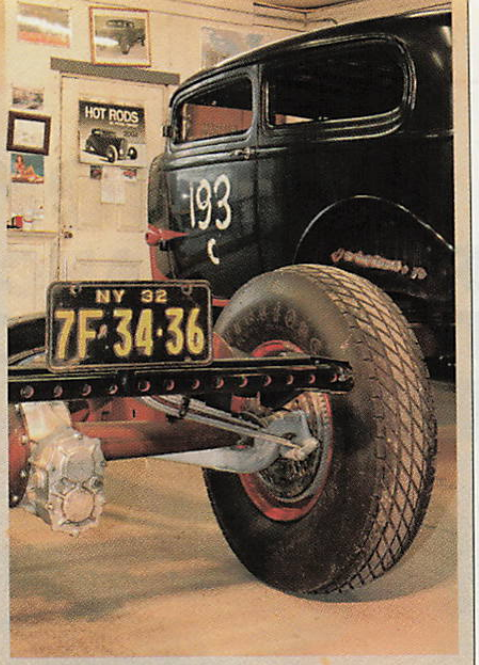
Hemi	Chrysler Perf.	GM Perf.	Ford Perf.
❑ $2.95 U.S.	❑ $4.95 U.S.	❑ $4.95 U.S.	❑ $4.95 U.S.
❑ $3.95 Canada	❑ $13.95 Canada	❑ $13.95 Canada	❑ $13.95 Canada
❑ $10.00 Int'l.	❑ $33.95 Int'l.	❑ $33.95 Int'l.	❑ $33.95 Int'l.

PLEASE SEND & MAKE PAYABLE TO:

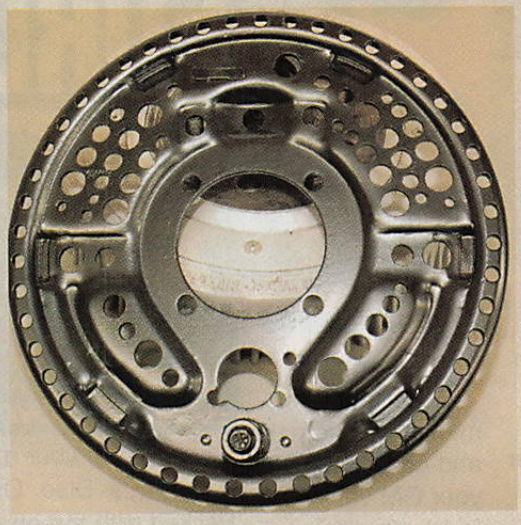
PERFORMANCE AUTOMOTIVE WAREHOUSE

21001 NORDHOFF ST., Dept. STR, CHATSWORTH, CA 91311

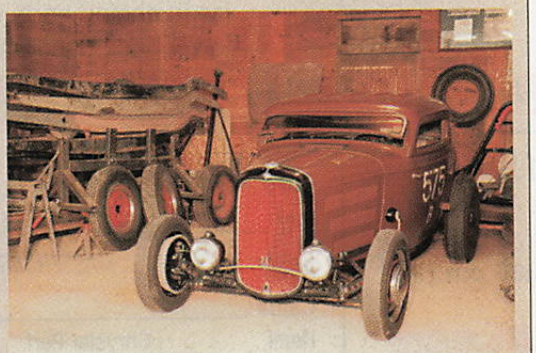




(above) Out back the Deuce chassis received more custom updates, including a deep reinforced C-notch, mild Z, bobbing of the back 'rails, and T-spring with an A crossmember. A Halibrand V-8 quick-change rear mated to '36 Ford housings filled with 9-inch axles and an open drive conversion delivers the goods, while Frankland finned drums help it stop and inboard mounted Houdaille shocks banish the bumps. *(right)* Nothing but the best in vintage equipment out back here as the back half of the chassis makes time with the Deuce body waiting to become one. The Firestone 8.90x16-inch dirt trackers on 16x6-inch rims make the rollin' statement complete.



(left) Dennis supplied the guys with a drop-dead evil little skull to be worked into the car and they fitted it to an old Deuce radiator cap, making it look like it had been a part of it since it was new. *(right)* Dennis also supplied the guys with a set of four F3 Ford backing plates that he drilled out to perfection to be combined with the rare Frankland finned brake drums.



(left) Kinda like a candy store, isn't it? Built Flatheads, Schroeder steering boxes, Halibrand centersections, intakes, heads, and all the rest ... sweet. *(right)* Well known for its countless cross-country runs to the West Coast and Bonneville, not to mention many amazing images by Peter Vincent, Ken's coupe has brought the Rolling Bones style and dependability in build to the forefront of hot rodding with the groups dedication to building era-correct cars that can be driven *hard* and enjoyed for what they are ... dig it.

The California contingent: (left, front to back) Gino Icardi, Roy Brizio, Andy Brizio (right, front to back) Dave Schaub, Dick DeLuna, Dennis Varni.

worked their voodoo when they sliced 5 1/2-inches up front while leaning back the A-pillars, and wrapping it up out back with a 5 1/4-inch chop. Add in a custom-louvered removable roof insert that started life on a '51 Jeep Wagoneer, a dash filled with a vintage marine insert, and loads of neat little tricks like a hidden tool-storage tray, and you have a winner on the way. Let's not forget one of their signature patina paint finishes, which is the final icing on the cake. And for those of you who just might like to have a little insight as to how they decide on the numbers for their cars, they are based on genuine SCTA timing tags from the late '40s and early '50s that are correct for the model of car they are building ... cool.

This season will be another busy one for the team as they get ready to take Ken's latest Deuce roadster on the road once it leaves the Saratoga Auto Museum, where it is currently part of an exhibition called "The King of Clubs." The plan is to drive the roadster with its 255-inch 59L Flathead, setting the pace out to Bonneville in street trim, then change it up to race specs, hammer the black line, then drive it home. Anyone who knows Ken, Keith, and Dave can attest that it will be a trip to end all trips. The guys would like to send sincere thanks out to their good friends Peter Vincent, Ken Gross, Mark Morton, Dennis Varni, and anyone else who digs their era-perfect build style. SR

ROLLING BONES HOT ROD SHOP
319 Root Rd., Dept. SRM
Ballston Spa, NY 12020
(518) 885-6758
www.rollingboneshotrodshop.com

Wiring Made Simple!™

KEEP IT CLEAN™
wiring accessories

Wiring Panel Systems

- High Quality Labeled Wire
- 32/38 Terminal
- Pre-Terminated Fuse Block with 14/20 Fuses with Easy to Read Fuse Box Cover
- Pre-Tested Before it Leaves Our Plant

- GM Color Codes
- Heavy Duty UL Wire
- Easy Plug-In Harnesses
- Complete Kit Includes Everything You Need

From $149

Keep It Clean™ Ultra Small Wire Systems offer an easy to install design and expandability for future growth. Keep It Clean™ Wiring Systems use only the highest quality wire and parts resulting in the "ultimate" kit. Includes dedicated circuits for keyless entry, power windows, seats, additional 12v output, and optional accessory output. Deluxe kit includes a headlight switch, ignition switch, dimmer switch and more!

- Plug N Play
- High Quality & Compact Construction
- EZ Installation
- Detailed Instructions
- Lifetime Warranty

Detailed Instuctions

Makes installation a snap!

Plug N Play™
www.keepitclean.com

Look For The Plug N Play Icon!

Any products with the Keep It Clean Plug N Play icon will plug directly into Keep It Clean Wiring Panel Systems, making installation a snap!

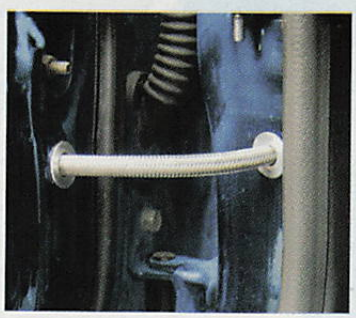
No Load Flasher

CONVERT TO LED! Keep It Clean's No Load Flasher is great for LED taillights! Plugs directly into our Wiring Panel Systems and all other brands of fuse panels. Features fully adjustable speed control to customize your blinker speed. These flashers retain the look of a 552 flasher along with staying extra cool, consuming very little power and extra long lasting life!

From $35

PLUGS INTO FACTORY PORT!!!

Billet Door Loom



HIDE THOSE WIRES! Great for our power window kits, shaved door kits or custom stereo installs.

From $40

Battery Disconnects

Remote Disconnect with Harness and Switch

Lets you mount a small, discrete switch inside your vehicle to kill power to your battery. Capable of handling 600 Amps rush in current.

600 AMP MAX!

Heavy Duty Standard

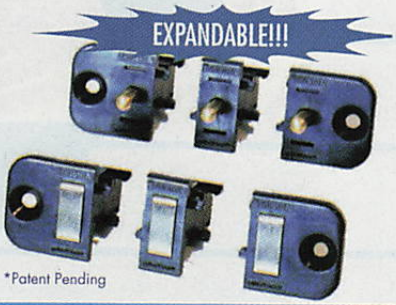
From $35

Tons of Switches

Modular Door Contacts

GET CONNECTED! Perfect for eliminating the wires that come with mounting power accessories in your door. Modular design allows for quick and easy expandibility.

EXPANDABLE!!!



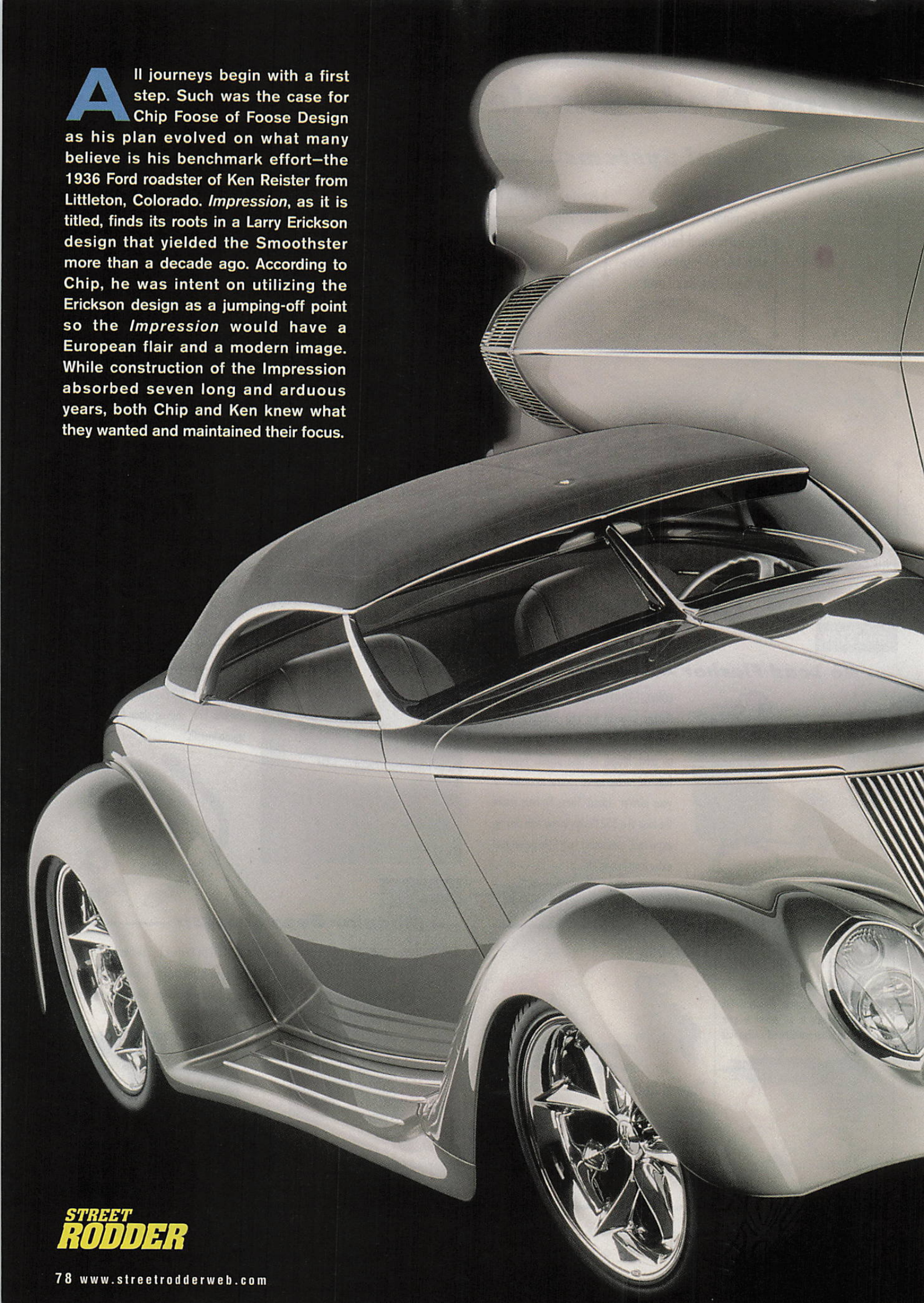
From $10

*Patent Pending

order = 503.693.6608 fax = 503.640.3091
201 SE Oak Street - Portland, OR 97214
800.873.4038
www.keepitcleanwiring.com

code 9

©2005 The Hoffman Group LLC. All Rights Reserved. Prices subject to change without notice. No refunds with an authorization number. All refunds are subject to a 25% restocking fee.

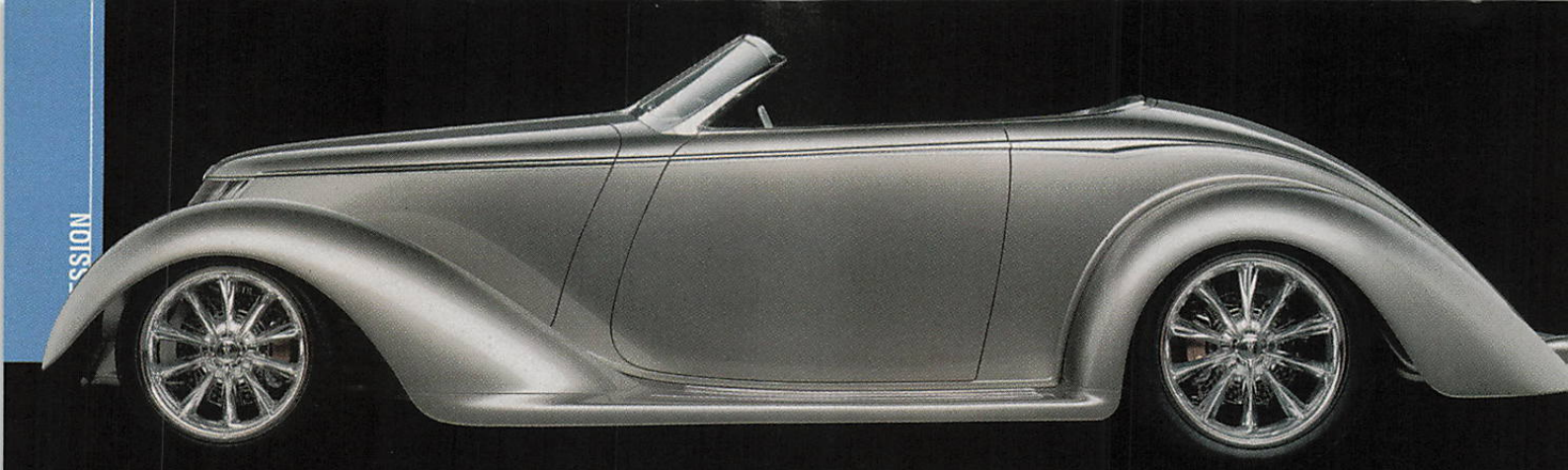


All journeys begin with a first step. Such was the case for Chip Foose of Foose Design as his plan evolved on what many believe is his benchmark effort—the 1936 Ford roadster of Ken Reister from Littleton, Colorado. *Impression*, as it is titled, finds its roots in a Larry Erickson design that yielded the Smoothster more than a decade ago. According to Chip, he was intent on utilizing the Erickson design as a jumping-off point so the *Impression* would have a European flair and a modern image. While construction of the Impression absorbed seven long and arduous years, both Chip and Ken knew what they wanted and maintained their focus.

IMPRESSION

a good first impression is lasting

BY BRIAN BRENNAN | PHOTOGRAPHY BY SCOTT WILLIAMSON PHOTODESIGN STUDIOS

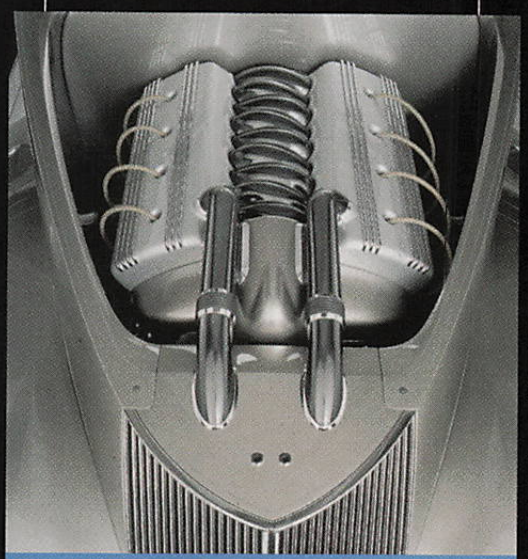


The *Impression* isn't the first but may very well be the finest example of a coachbuilt street rod that utilizes 4,000 one-of-a-kind components. The presence of coachbuilt rods have been with us for years, but it seems most recently design, style, quality, and craftsmanship have come together to rival anything found throughout the automotive world. The *Impression* will hold its own with any Big Three coachbuilt concept car—and that's saying something!

The sheetmetal is rooted in the 1936 Ford roadster and is the handiwork of Marcel's Custom Metal Shaping (operated by Marcel and his sons, Luc and Mark). The steel body is outfitted with an aluminum hood, decklid, and a custom windshield. The stainless steel grille insert was crafted by the master himself—Dan Fink. A unique body of this caliber doesn't just happen. First there was the 1/4-scale clay model, which evolved into a fullsize wooden buck that Team Marcel used to bend the sheetmetal into the shape you see before you. Did we mention that the paint comes by way of BASF and we have heard the color referred to as "Chipewter"? Nice touch.

The *Impression* has received, at the time of this writing, every major award it has come in contact with, beginning with rodding's "golden chalice," the *Don Ridler Memorial Award*, given to the outstanding car from the Detroit Autorama, immediately followed by *Best Rod* at the Fresno Autorama (Blackie Gejeian), and the *Goldmark* award at the Boise Roadster Show. *(The trophy case is shy the single most significant award a roadster can capture*—America's Most Beautiful Roadster, *which is emblematic of the finest roadster in the land awarded at the Grand National Roadster Show. The* Impression *will be kept under wraps until January '06 when Ken and Chip will enter it in competition. Time will tell!)*

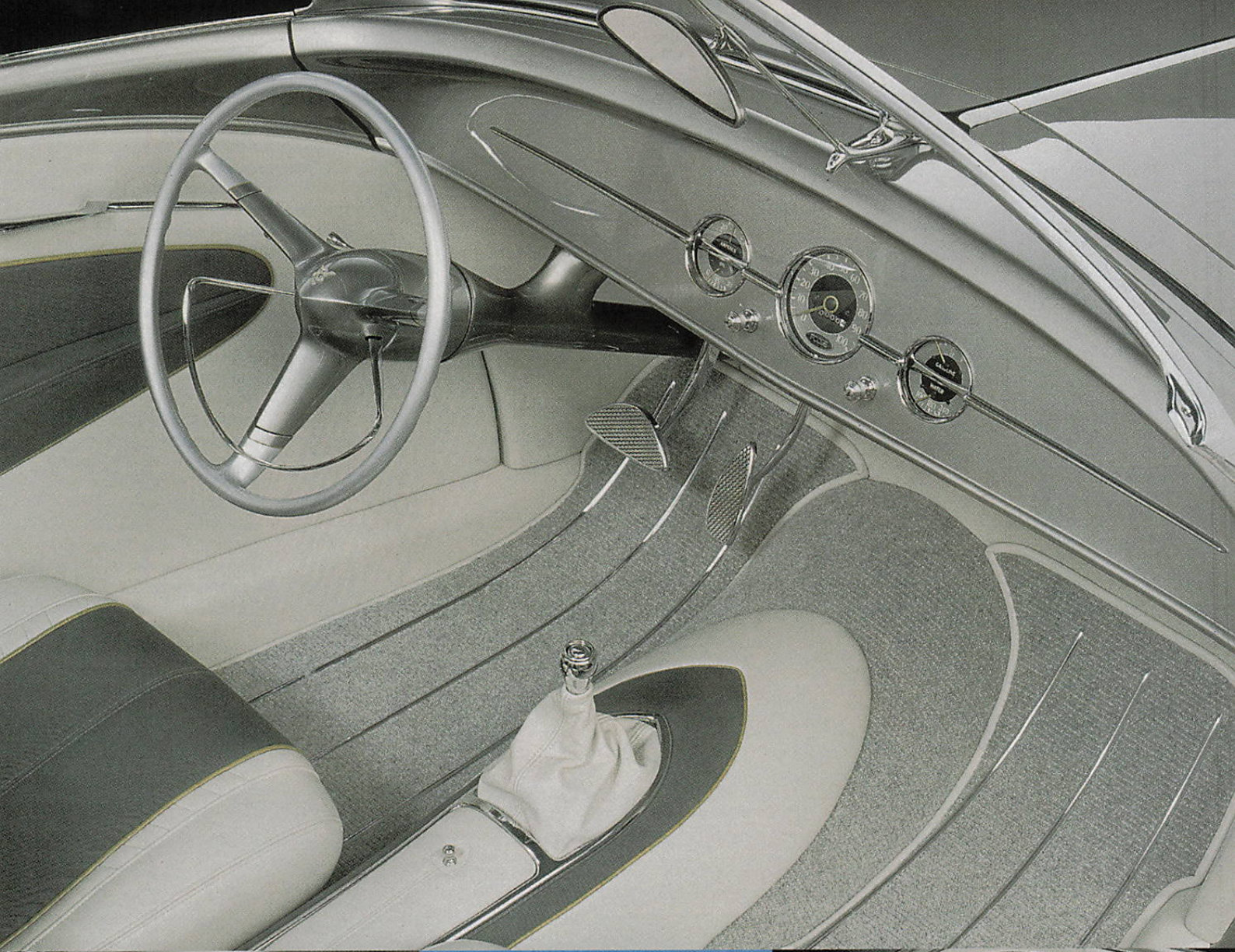
While there's no denying this rod is all roadster, Chip was intent on accomplishing one specific design element: have the car look *complete* with or without its top. The top is made from handformed aluminum, wrapped both sides with canvas then resting over chromed top bows. The top is a liftoff-only affair, no folding here. However, to accomplish this *complete* look with or without the top, a chromed molding rests on the body and wraps around the cockpit, eventually tying into the windshield.

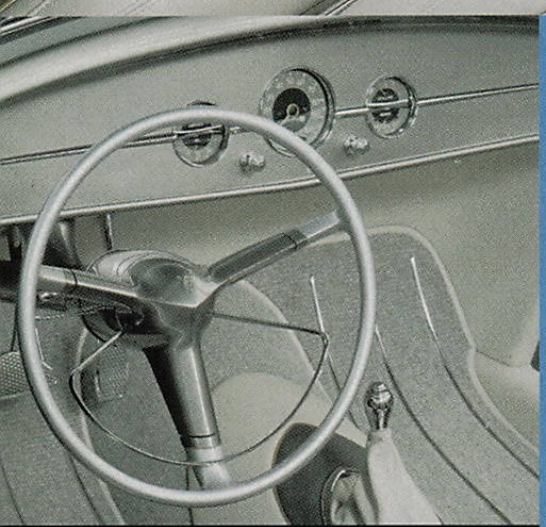


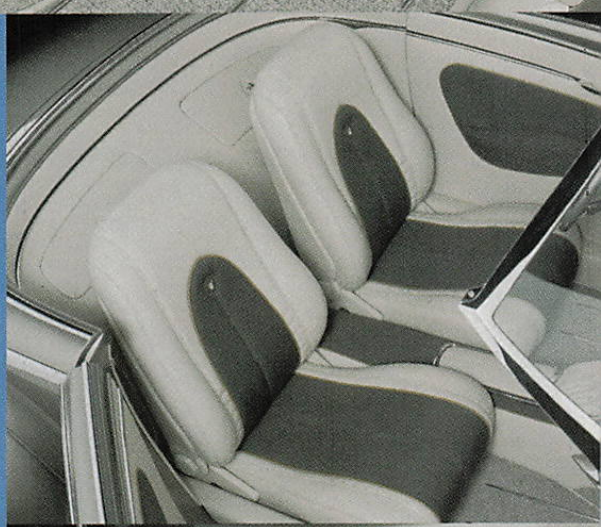
It's a "Flatisphere," or what an LS1 would have looked like under the influence of Henry Ford, and the Flathead powerplant of its day. The Flathead-appearing water inlets are really the hidden way to pour oil into the engine and check radiator fluid.

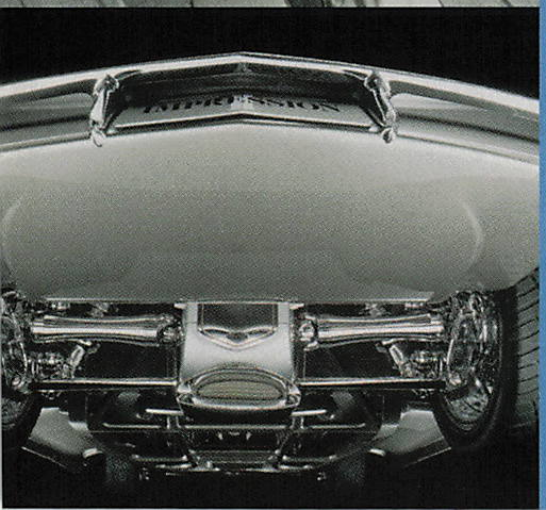
Getting down to the basics, the custom chassis from Foose Design is based on a 118-inch wheelbase that employs independent front and rear suspension utilizing C4 Corvette geometry. To this you will find Bilstein coilover shocks, BAER/PBR rotor and calipers pressed into operation through a Kugel Komponents master cylinder, and an underdash small power booster. Other Corvette components include a Vette centersection with 3.73 gears, a Posi unit, and uprights.

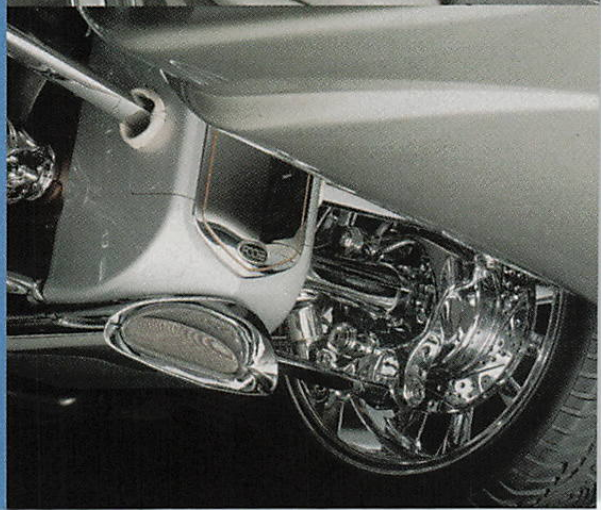
More often than not the focal point of any hot rod is its engine. The *Impression* doesn't disappoint. While a LS1 GM powerplant is used, there's no mistaking the gentle massaging that transforms this Stovebolt into a "Flatisphere." To put it into language you and I can grasp, it's a modern Flathead! Underneath the one-of-a-kind ram air intake, cloth-wrapped plug wires, hidden electrical system, and the handformed steel block cover (yes, we said *block* cover), the V-8 is painted in two-tone hues. Possibly the most clever engine appointments are the hidden water and oil fill caps, which cleverly rest beneath what appears to be the Flathead-influenced water necks running from the radiator to the engine. All isn't what it appears to be after all! Other accessories include the billet transmission oil pan with a machined lip that covers the





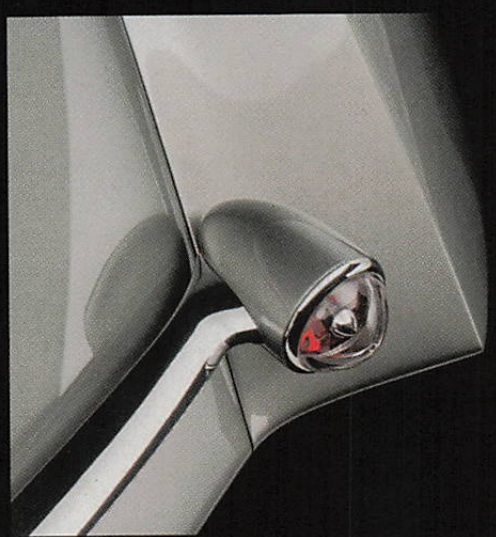


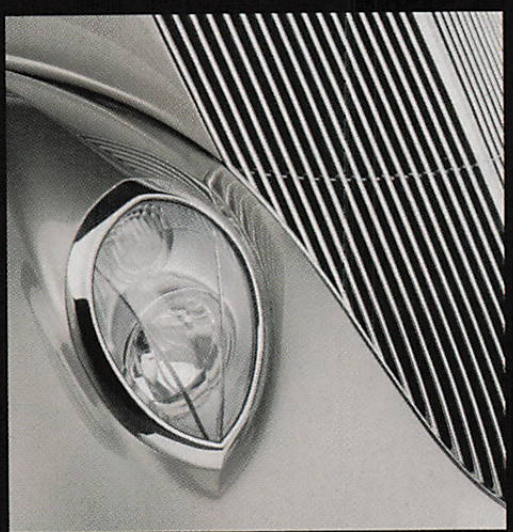




(top) Jim Griffin Interiors raised the bar for a street rod interior featuring leather (pebble) over a pair of buckets resting on airplane-quality carpet. The carbon-fiber door panels are wrapped in leather and canvas. Look closely at the instrumentation—Chip's intent was to have the gauge cluster resemble an airplane theme—can you see it?! *(If you don't see it send me an e-mail and I will give you a clue. B.B.)*
(left) The custom-built steering wheel with the airplane prop theme as well as the three-sided design element built in throughout the car is both elegant and makes a statement.
(right) The Cobra buckets were narrowed and shortened then covered with leather (pebble) and stitched with canvas inserts.
(bottom left) The independent rear suspension is a hallmark of a Foose-designed car. It features Corvette C4 geometry while utilizing a Vette centersection and uprights.
(bottom right) Look closely at the individual suspension components and you will note each continues to feature the three-sided design element. The Bilstein coilover shocks are one-of-a-kind for this project.

(far left) The Foose-designed 10-spoke wheels have five spokes emanating from the hub to the front of the wheel and five from the hub to the back of the wheel, giving the impression of an early spoke wheel. You can also see the BAER/PBR brake combination.
(left) Select your adjective for the trunk, but efficient in design and execution comes to mind. Note how the trunk hinge attachment mechanisms are hidden as are all of the attachment points used on the doors and hood of the car.
(bottom far left) The "floating" taillights (they do not touch the body, but rather are attached to the rear bumper) are '37 Ford buckets with handmade panels housing 13 LED bulbs and one-off lenses. Note there are no visible wires.
(bottom left) The headlamp is made from a pair of different-size PIAA H.I.D. lamps that are stacked, giving the appearance of the number 8. From here note the metal bars inside the custom-made lens that make up the "V," completing the time-honored V-8 logo engrained into a rodder's mind.



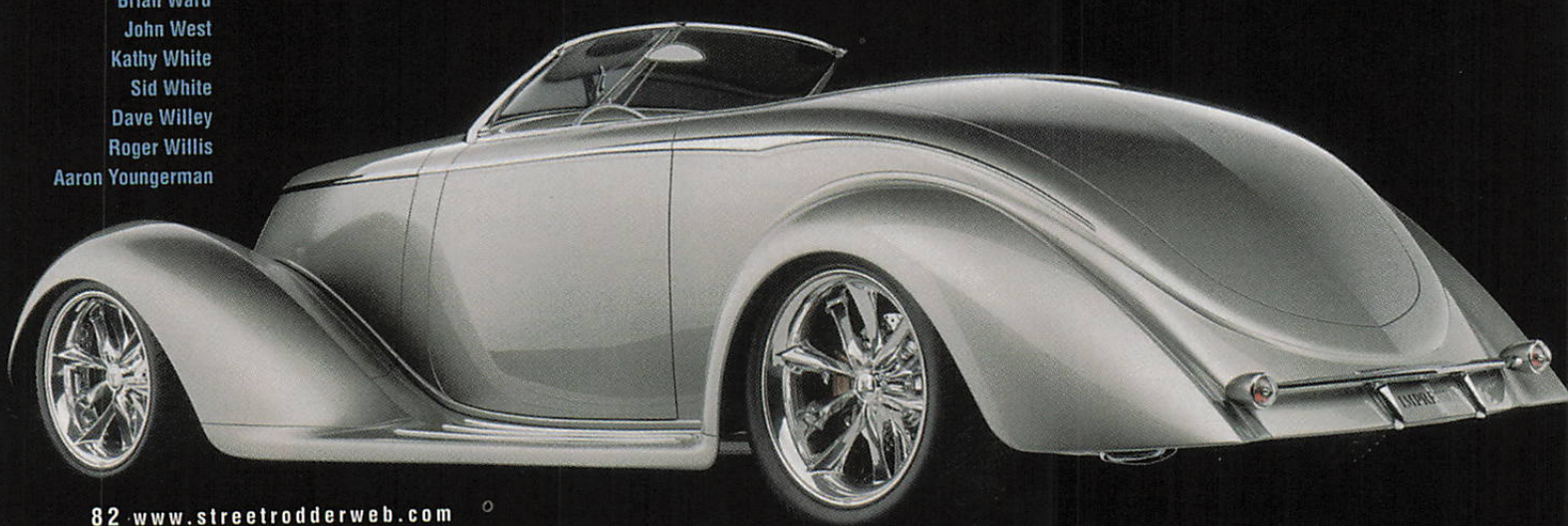


IMPRESSION TEAM:
Greg Cox
Marcel Deley
Luc Deley
Mark Deley
Dan Fink
Tim Fitzpatrick
Chip Foose
Lynne Foose
Bryan Fuller
Dennis Graff
Steve Greninger
James Griffin
Jim Griffin
Erik Hanson
Jason Hoeft
Charley Hutton
Karl Jonasson
Steve Jones
Tom Marcotte
Jack Mattson
Leonard McGlaughlin
Don Miller
Peter Morrell
Jason Mortenson
Raphael Navarro
Doug Petterson
Leila Reister
Scandinavian Hot Rods
Mike Schott
Lynne Stout
Matt Sullivan
Chuck Svatos
Trent Trimble
Andy Wallin
Brian Ward
John West
Kathy White
Sid White
Dave Willey
Roger Willis
Aaron Youngerman

normally exposed gasket edge and the black chrome and stainless steel exhaust system.

To list the 4,000-plus custom pieces would be next to impossible, but we can tell you there are hand-cut and turned bolts, handmade body and interior moldings, an exquisite one-of-a-kind windshield frame with custom-shaped glass, and a stainless steel grille. Look closely at the one-of-a-kind BFGoodrich hand-cut 18s and 20s and you see the matching tread pattern as used on the brake and gas pedal. The wheels are more custom one-of-a-kind pieces that really require you to look closely and appreciate the style, machine work, and final finish. They were designed by Chip to be a blend of old and new—old in the design representing a spoked wheel from the '30s, while new in the use of billet and the 10-spoke execution. Again, look closely and you will see that five spokes start at the hub and radiate outward while the alternating five remaining spokes go to the inside of the wheel. Can you see the V-8 logo on each wheel? This logo appears throughout the car's design.

One cannot help but stare at the interior. Let's start with the obvious. Chip blended into the automotive cockpit influences from above. Look at the dash; can you see the airplane influence? Well, look at the center gauge (speedometer) and note how the outer gauges appear to be the engines with props turning. From here note the two dash-mounted switches, do they resemble "wheels down"? And how about the spear running across the dash and through each gauge—could this represent the wingspan? We believe the answer is yes to the above questions. Did we mention that the gauges are from a '35 Chevy with '34 Chevy graphics and are mounted from behind the custom steel dashboard?



800-373-1937

We have the parts to make your dreams come true!

One call does it all!

For more information, visit us on the web at: www.yogisinc.com

YOGI'S INC

98 Clinton St., P.O. Box 68, Calamus, IA 52729

Steering Columns

idiit INCORPORATED

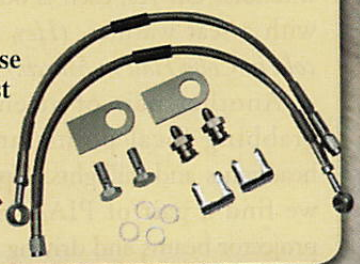
Call about our steel, chrome and aluminum steering columns

Call for pricing!

FLAMING RIVER

Yogi's Brake Hose Kits

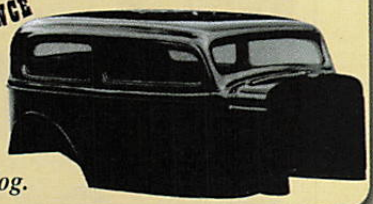
At $57.95, we feel these are the best kits in the market!



YOGI'S

Many Body Styles and Chassis too!

OUTLAW PERFORMANCE

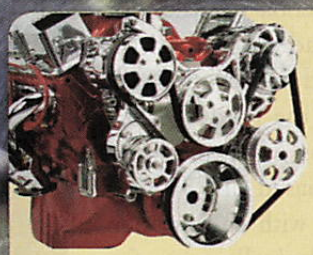


Order a complete Yogi's, Inc. Catalog.

Retrotech gauge kits

Dakota Digital

Combine the retro artistry of the past with today's technology!



BILLET Specialties WHEELS & ACCESSORIES

TRU TRAC System

Check out the "NEW" TRU TRAC complete Serpentine System!

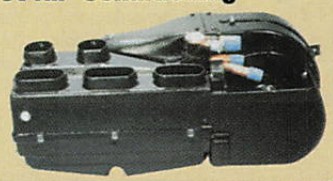
SUN SPEC Billet Factory

Mix & match mirror heads and arms for your own personal style!

VINTAGE AIR

Hot Rod Air Inc.

For the best Air Conditioning products, take your pick!



Other parts available from:

TOTAL COST INVOLVED

LOCAS

wilwood DISC BRAKES

BORGESON UNIVERSAL COMPANY, INC

Order a complete Yogi's, Inc. Catalog.

GOTTA SHOW Products

Stainless steel A/C hose kits.

Call for prices.

SPII

Power Window Kits

Complete 2-door power window kit for only $405!!!

AutoNik Classic Headlights with LED turn signals.

Check out these new "Twofer" headlights!

Call Yogi's for details!

Wiring Kits

American Autowire Factory Fit We Make Wiring Easy!!

The most complete kit we carry!

Cross Steer Rack & Pinion, for your 28-34 Ford cars and trucks.

UNISTEER Performance Products

Call Yogi's today!

Check out Phipps' wide variety of pedals!

PHIPPS

Cooling Components

Walker RADIATOR WORKS

A great combination to keep your rod cool!

All prices subject to change without notice.

©YOGI'S, INC. 2005

Want To Put A Ford Engine In Your Rod?

Do The Math!

World's "Man O'War" Crate Engines Are A Much Better Value Than What Ford Has!

Ford Racing has some nice engine options for street rodders these days, but we think that if you evaluate performance, quality of components, warranty and price, you'll find better values in World Products' new "Man O'War" line of 302/351 Ford style engines.

For about $6,250* you can buy Ford's #M-6007x351 assembly. It's rated at 362 horsepower, but you'll have to take their word for it as the engine is missing a carburetor, ignition, etc. and has never been run.

World's new "Daily Driver" 351 costs a little more ($6,950), but comes with a blueprinted Hardcore 750 carb, Mallory HEI ignition and a plethora of premium grade aftermarket components (4340 forged steel crank, H-beam rods, forged pistons, etc.). It's based on World's new Man O'War block, which has loads of features not found in the stock Ford 2-bolt main block (including splayed billet 4-bolt caps). It's dyno tested, performance certified, and backed with a 2-year, 24,000-mile warranty.

We think you'll agree it's a way better value. And if you're looking for more horsepower, check out these other offerings.

Model	Size	HP	Torque	Price
Cruiser	351 c.i.d.	370	370 ft. lbs.	$7,495
Cruiser	427 c.i.d.	450	450 ft. lbs.	$8,495
World Class	375 c.i.d.	425	395 ft. lbs.	$8,495
Hardcore	427 c.i.d.	525	505 ft. lbs.	$9,795
Limited Edition	460 c.i.d	575	550 ft. lbs.	$10,995

ASK FOR A FREE 2005 CATALOG!

You'll find many more Ford engine options, as well as small block and big block Chevys. Individual components, too. Call, write or fax a request for your copy. Data available immediately online at: www.theengineshop.com.

BILL MITCHELL
HARDCORE
Racing Products

51 Trade Zone Court, Ronkonkoma, NY 11779
Phone: 631-737-0372 • (Fax: 631-737-0467)
www.TheEngineShop.com Ad Code: C-05

The aircraft theme continues through the steering wheel and more subtly with the use of airplane carpeting on the floor and aircraft-type canvas as inserts on the twin buckets. Speaking of the seats, they are Cobra buckets both narrowed and shortened as part of the rework process and then covered with leather (pebble) and aircraft canvas by Jim Griffin Interiors. Oh yes, each is outfitted with a seat warmer. *(Hey, it gets cold in Cobo Hall in March!)*

Another pair of attention-grabbing focal points are the headlights and taillights. Up front we find a pair of PIAA H.I.D. projector beams and driving lamps used in conjunction to make each individual headlamp. To this a custom lens and metalwork creates the illusion of the Ford V-8 logo behind each lens. Mechanically the taillights are based on '37 Ford buckets, again, with custom, one-of-a-kind (technically two-of-a-kind) lenses, each with 13 LED bulbs to create the individual taillight. Aesthetically the taillights are a wonder to behold as they appear to be floating. They are attached to the rear bumper and not the body, and there are no visible wires to be seen. In fact, there are no visible wires anywhere on the car and you will also note that the hinges and latches have their mounting points concealed as well.

And for the coup de grâce, Chip designed each hinge, strut, suspension component, carpeting runners, and even the bars behind the headlamp lenses, to be soft-sided triangles. There are no flat sides; a slight radius is visible on each leg of each triangle designed into and throughout the entire car. Wow! Now that's what we call a coachbuilt street rod. No wonder people stand next to this street rod in sheer amazement. SR

FACTS & FIGURES

Ken Reister
Loveland, Colorado
1936 Ford roadster

CHASSIS

Frame / Manufacturer	custom / Foose Design (Huntington Beach, CA)
Wheelbase	118"
Chassis	plumbing stainless steel
Rearend / Ratio	Vette centersection & uprights / 3.73:1 (Posi)
Rear suspension	C4 Vette geometry, custom components by Foose Design
Rear brakes	BAER/PBR Vette-style, rotor one-off from BAER
Rear shocks	Bilstein coilover, one-of-a-kind
Front suspension	C4 Vette geometry, custom components by Foose Design
Front brakes	BAER/PBR C4-style
Front shocks	Bilstein coilover, one-of-a-kind
Master cylinder	Kugel Komponents (LaHabra, CA) Vette-style w/ small-diameter booster underdash-mounted
Steering	Fiat r&p
Front wheel make, size	Foose Design Impression 10-spoke, 18x8
Rear wheel make, size	Foose Design Impression 10-spoke, 20x10
Front tire make, size	BFGoodrich one-of-a-kind, 225/40R18
Rear tire make, size	BFGoodrich one-of-a-kind, 295/40R20
Gas tank custom,	16-gal

ENGINE

Make Chevrolet	LS1
Displacement	5.7L
Other engine facts	A "Flatisphere": modern engine appointed to loosely resemble a Flathead; no exposed engine wires; engine covered w/ custom shields; black chrome headers mounted to stainless steel flanges.

TRANSMISSION

Make	Chevrolet 4L60E
Shifter	Camaro w/ custom shift lever

BODY

Body style / Material	1936 Ford roadster one-of-a-kind / steel
Body manufacturer	Marcel's Custom Metal (Corona, CA)
Body mods	decklid aluminum
Hood	aluminum
Grille	stainless steel w/ Dan Fink Metalworks (Huntington Beach, CA) insert
Bodywork	Foose Design/Impression Team (Charley Hutton, Jason Martinson, Tom Marcotte, Dennis Graff, Andrew Petterson, Brian Ward)
Paint type / Color	BASF / "Chipewter"
Painter	Foose Design/Impression Team
Headlights / Taillights	PIAA H.I.D. (4) / '37 Ford buckets, handmade 13 LED bulbs, handmade lens
Outside & Interior	mirrors by Foose Design
Bumpers	one-of-a-kind Foose Design, chromed steel
Other body items	taillights "float" held in position by rear bumper, no visible wiring. All brightwork is chrome (except wheels/polished) handled by Artistic Silver Plating (Signal Hill, CA), block-sanding before chrome handled at Foose Design. One-quarter scale clay model followed by fullsize wooden buck before body was built.

INTERIOR

Dashboard	steel, custom one-of-a-kind, Foose Design
Insert / Gauges	custom one-of-a-kind steel / '35 Chevy gauges w/ '34 Chevy graphics
Stereo / Speakers	Arc Audio / Clarion
Air conditioning	Vintage Air (San Antonio, TX)
Wiring	Peter Morrell, custom
Steering wheel	Foose Design, custom
Steering column	modified ididit (Tecumseh, MI)
Seats	Cobra buckets (w/ heaters), narrowed & shortened
Upholsterer	Jim Griffin Interiors
Material / Color	leather / pebble (canvas inserts)
Carpet	aircraft style, wheat (tan)
Other interior items	door panels are carbon-fiber wrapped in leather & canvas

JEG'S®

High Performance Mail Order

Flexible Oil Dipsticks

Lucas Oil

Engine Oil

Slim design allows mounting inside headers. Designed for use with factory or Sanderson cast manifolds or block hugger headers. Flexible, E-Z read markings. Includes mounting bracket.

625-ED-5001.. SB-Chevy '80-Up $41.99
625-ED-5002.. SB-Chevy pre-'80 ..... $41.99
625-ED-5003.. BB-Chevy $41.99
625-ED-5004.. 302 Ford '86-95 ..... $41.99
625-ED-5005.. 351 Ford* $41.99
625-ED-5014.. 4.6L Ford $41.99

***Note:** Screw into pan style.

Battery Charger

Designed to fully charge a battery, then switches to maintain proper storage voltage without the damaging effects of trickle chargers.

304-021-0128 ..... 12V-1.25A $49.99

Cap & Rotor Kits

MSD IGNITION

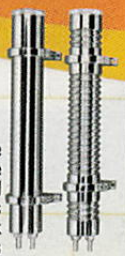
Install the Best!

The housing is injection molded from a special DuPont material to provide strength and high dielectric properties. The terminal paths are encased in epoxy and the molded rotor has brass/stainless rotor tip design.

121-8481 ..... 93-94 LT-1 Kit $151.99
121-84811 ..... 95-97 LT-1 Kit $151.99

Overflow Tanks

BILLET Specialties

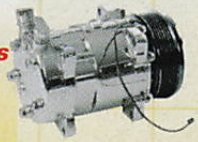


100% Billet Aluminum

Special mounting brackets are fully adjustable through the entire length of the tube. Knurled cap features an o-ring seal and is threaded for easy removal. Tank length is 13", overall length is 14½", with a 2" diameter.

135-77113 ..... Smooth $64.99
135-77213 ..... Ribbed $69.99

Air Conditioner Compressors



JEG'S

Stay Cool & Look Good!

These Sanden SD 508 air conditioning compressors are designed to use R134a refrigerant. Great for a new build or updating your current ride.

555-51800 . V-Belt, Std Finish $199.99
555-51801 . V-Belt, Pol. Finish..... $269.99
555-51802 . V-Belt, Chr. Finish..... $299.99
555-51804 . Serp. Belt, Std. Finish... $199.99
555-51805 . Serp. Belt, Pol. Finish... $269.99
555-51806 . Serp. Belt, Chr. Finish .. $299.99

Alternators

JEG'S

Polished Aluminum GM

Premium, fully-polished aluminum 100A 1-wire alternator with an added billet aluminum pulley and fan.

555-10105 ..... 100 Amp, V-belt $174.99
555-10104 ..... 100 Amp, Serp. $174.99

Magnetic Door Jamb

PAINLESS PERFORMANCE PRODUCTS

Switch Kits

A magnet mounted on the door activates a read switch mounted inside the post for a clean look and smooth operation. Two kits offered are Ground Activation kit (ground wire to the dome light) and Power Activation kit (power wire to the dome light).

764-80180 ..... Ground Activation $89.99
764-80181 ..... Power Activation $95.99

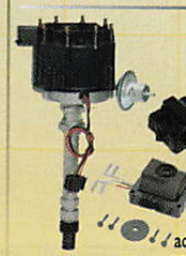
Water Wetter

RED LINE SYNTHETIC OIL

Reduces coolant temperatures by as much as 30°F! Provides rust and corrosion protection in water for racing engines. Add it to new or used ethylene or propylene glycol antifreeze to improve the heat transfer. Use with aluminum, iron, copper, brass and bronze systems.

816-80204 ..... 12 fl. oz. $8.49

HEI Distributor with Coil



JEG'S

Replace or Upgrade!

Includes all new components to fit your Chevy V8. Includes adjustable vacuum advance and is complete with a new coil, cap, rotor and dust cover. Ready to install.

555-40000K...HEI Dist. w/Coil $94.99

Wheels

Torque Thrust "D"

The original Super Stock wheel for your classic. Uses acorn lug nuts.

105 Series

14 x 6" ..... ea $161.99
15 x 4½" ..... ea $169.99
15 x 6" ..... ea $169.99
15 x 7" ..... ea $179.99
15 x 8½" ..... ea $194.99
15 x 10" ..... ea $211.99

American Racing SINCE 1956

Skull Shifter Knobs

Lucas Oil

Lokar shifter knobs have a teflon lining for smooth operation of the lock out button button. Designed for simple boot installation. Shift pattern engraved on the knob meets NSRA safety regulations.

625-SK-6861 ... Plain Button $44.99
625-SK-6862 ... 3-Spd Shift Button $44.99
625-SK-6863 ... 700-R4 Shift Button .. $44.99

Universal Radiators

Thinner Core

Drag race style single, lighweight aluminum, 1¼" core makes them 40% lighter than OEM radiators.

GM

134-65002 ..... 26"x19" .... 20"x17" $309.99
134-65003 ..... 31"x19" .... 26"x17" $309.99

Ford/Chrysler

134-65005 ..... 22"x19" .... 17"x17" $309.99
134-65006 ..... 26"x19" .... 20"x17" $309.99

FREE Catalog

Call Today!

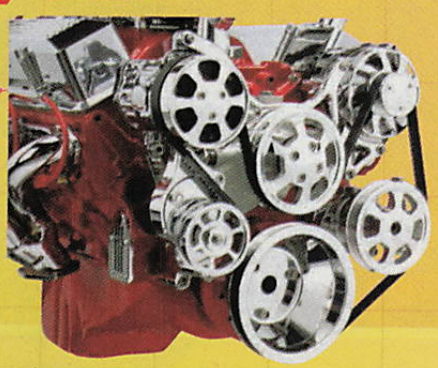
MILLIONS OF NAME BRAND PARTS IN-STOCK!

• #1 Customer Care! • Same Day FREE Shipping!*

Tru Trac Serpentine Systems

Each Tru Trac Serpentine System has easy, straight forward assembly with no spacers or washers to fool with. All hardware and fasteners are included with each kit. The entire Tru Trac System mounts to your engine block, allowing any cylinder head/intake configuration.

BILLET Specialties



SB CHEVY

135-13120 ..... without P/S & with A/C $1794.99
135-13220 ..... with P/S & with A/C $2144.99
135-13125 ..... without P/S & without A/C $1305.99
135-13225 ..... with P/S & without A/C $1744.99

BB Chevy

135-14125 ..... without P/S & without A/C $1494.99
135-14225 ..... with P/S & without A/C $1844.99
135-14120 ..... without P/S & with A/C $1894.99
135-14220 ..... with P/S & with A/C $2244.99

SB Ford

135-13600 ..... with P/S & with A/C $1845.99

JEGS RACING FOR CANCER RESEARCH FOUNDATION

Purchase any JEG'S Brand Performance Product, and a percentage of the profits will be donated to help in the fight against cancer.

jegs.com

1-800-345-4545

Source Code 050931

MasterCard VISA DISCOVER AMERICAN EXPRESS COD

***Ground Service in Continental U.S. on Most Parts.**

sue an LOCA

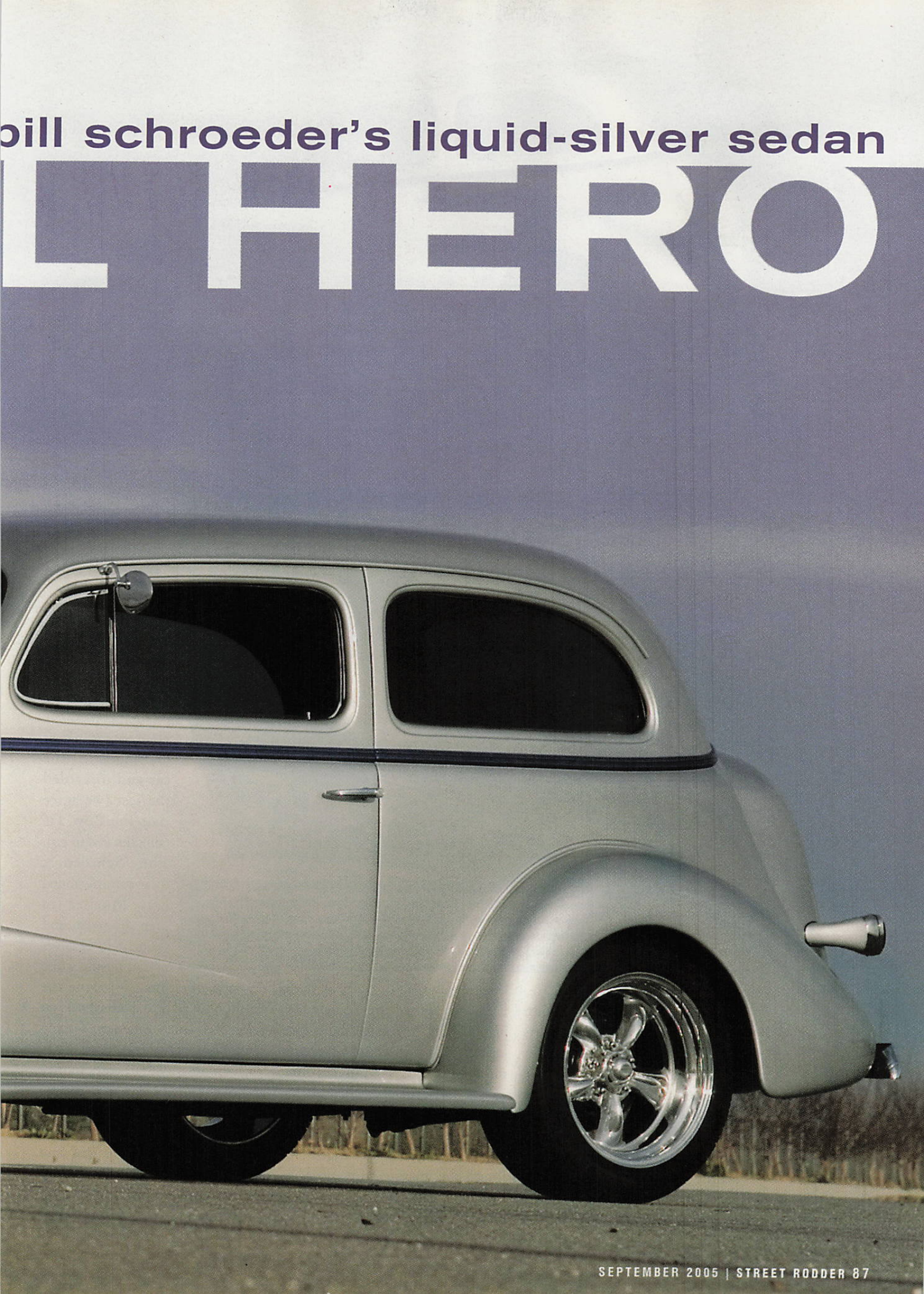
BY CHRIS SHELTON

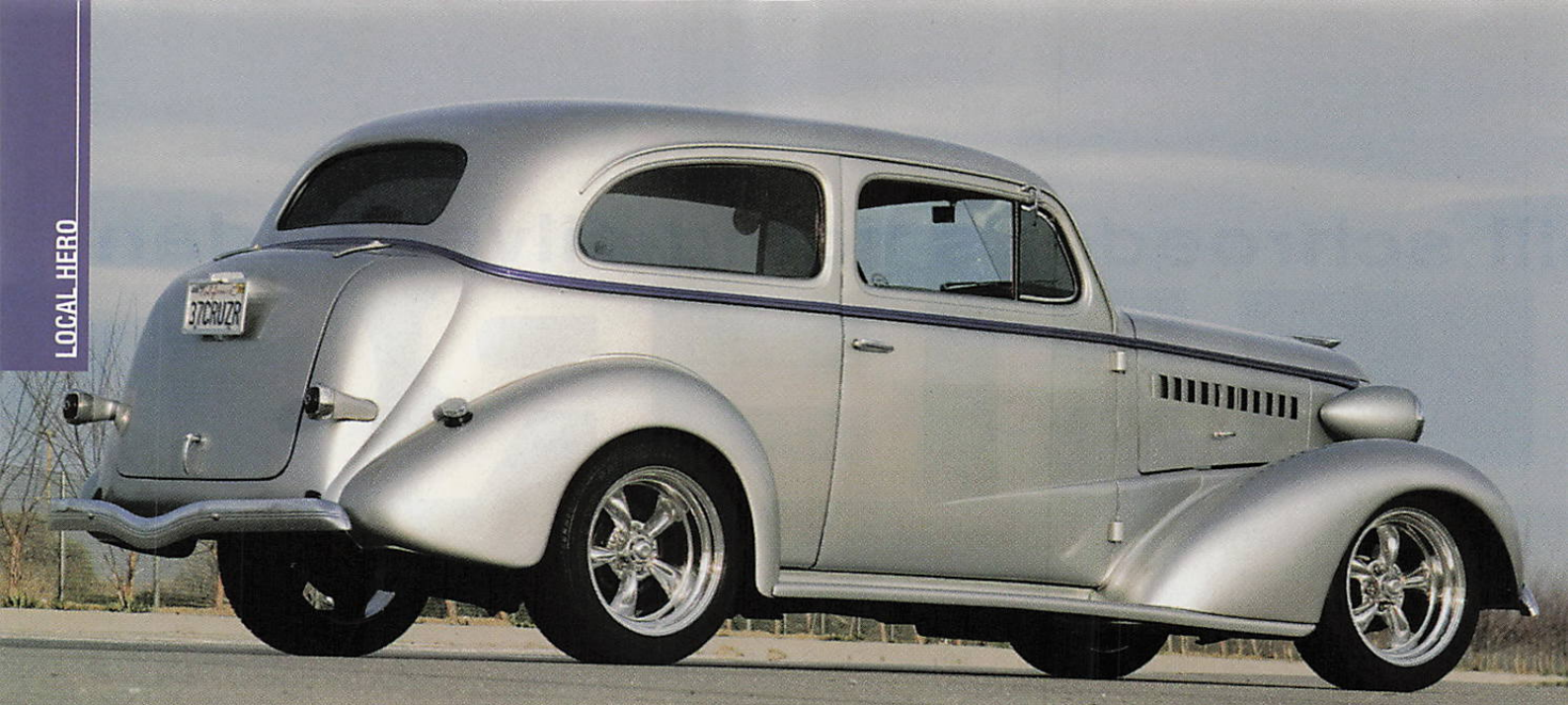
It's not a Ford. It's not a roadster. You won't find any high-ticket, cutting-edge parts on it. No boutique renderings preceded it. It's not an international show winner. It's never even seen the bowels of a big-name shop. To be bluntly honest, this car is not famous.

However, the name of the game isn't fame—it's substance. While the big-ticket dream cars may splash big on the scene, they inevitably slip into relative obscurity, leaving the owner to justify the second mortgage and depleted retirement fund. On the other hand, this car and its street-driven hot rod brethren built on realistic means will continually reappear for decades, inevitably accompanied by their faithful stewards.

bill schroeder's liquid-silver sedan

L HERO



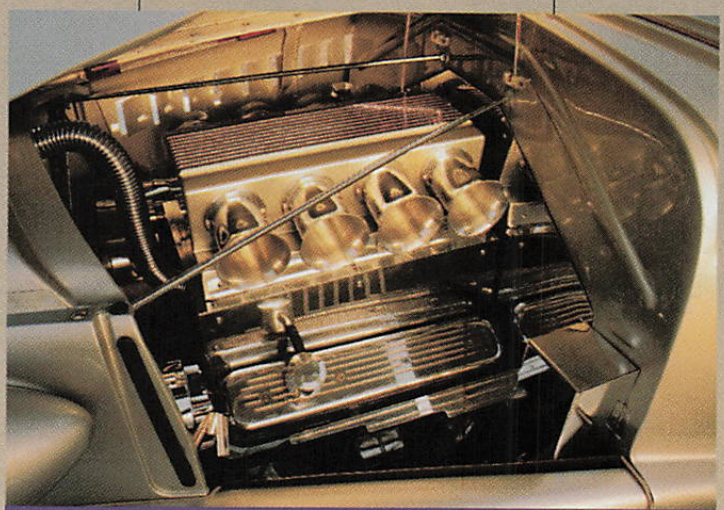


Why all the fuss about the less-than-famous? Simple: This is a bread-and-butter car. It represents the staple that keeps this industry together for the everyday enthusiast.

While it may not look like it, this car is, for all intents and purposes, traditional. Its owners built it in a time-honored way: with sweat equity, available parts, and a healthy regimen of creative adaptation. It's the same process that teenagers used half a century ago to create the things they aspired to yet couldn't afford outright.

Sue and Bill Schroeder bought this '37 Chevrolet sedan ('38 nose) as a partially completed project from Lancaster billet guru Dale Coombs. Dale, "Nomad" Randy, and Brian Suchovsky based the car on parts culled from a 1988 Chevrolet Camaro donor car. And when we say donor car, we mean it; they used everything from the engine, trans, and rearend, right on down to the Camaro's instrument panel and the throttle body injection. They also trimmed the worthless sheetmetal (the car itself) from a Mustang II crossmember. It now mounts to the sedan's framerails and wears rebuilt MII suspension components and stock-diameter disc brakes.

The Schroeders saw the car in black suede, fell in love with its touring potential, and cashed in an insurance policy to buy it from Dale. To quote the Schroeders justification, "... if we did a nice job on the car it would appreciate more than the insurance policy would." Not just that, they'd enjoy the policy's benefits while still walking the earth!



Whiz-bang fuel injection? Well yes and no; the fuel injection-inspired velocity stacks merely top a Camaro throttle-body fuel injection. The shroud is the reaction to judges' critiques at a regional show. Fred Wolgamott gets credit for the engine bay's current design—a design that took a full eight months to realize!

Johnny Aranda scrounged and found the missing trim pieces to reassemble the car properly. Hank Cogbill helped sort the cooling, suspension, and various tasks. Working with a cadre of friends, including Fred Wolgamott, Ben Kelley, Bob Bennett, Mike Arroyo, and Joe's Muffler Service, the Schroeders got the car roadworthy over a spell. Then they drove the snot out of it as a well-heeled beater.

As usual, the itch to transcend the car's beater status got the better of the Schroeders, so they picked the elements that distinguished the car and discarded the rest (we agree that the Bow Tie taillights *had* to go). The Schroeders then commissioned Eric Mueller to prep the sedan and shoot it PPG silver with a purple stripe down the beltline. Off came the 15-inch Weld Pro Star wheels in favor of 17-inch American Racing Torq-Thrust D wheels.

Trimming a sedan costs money and trimming a sedan to match its new paint is even costlier, yet a fresh-painted ride with a jagged gut just doesn't cut it. So Sue scared up a secondhand walking-foot sewing machine, loaded up on foam and tweed, and trimmed

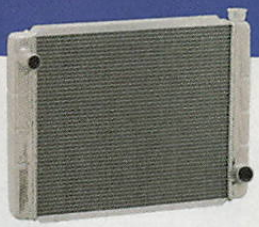
order toll-free 1-800-230-3030

Edelbrock

The carburetor tailor-made for street rods!
Made for street use, Edelbrock's two-piece, all-aluminum Performer carbs have a bottom fuel-feed design for smoother acceleration and driveability, and use easily changed metering rods for quick, precise tuning. There are no gaskets below fuel level, or plastic parts to blow out, either. Performer carburetors are available in 500, 600, and 750 cfm versions with manual or electric choke.

from $224.88

SUMMIT



Extreme-duty cooling!
Have a street rod that's hard to keep cool? Install a Summit Racing aluminum radiator! The radiators feature all-aluminum construction to reduce weight and improve cooling efficiency. The 2-row design has large 1" tubing with greater cooling capacity than 4-row copper-brass radiators. The radiators are fully welded with no epoxy, seals, or gaskets to fail. Available with GM and Ford-style inlet and outlet.

from $169.95

Mallory IGNITION

A better HEI distributor!
Why put a run-of-the-mill HEI distributor on your Chevy V8 when you can have the performance of a Mallory HEI? The distributors feature a CNC-machined aluminum housing, mechanical and adjustable vacuum advances, and factory-type harness connectors—just plug it to an OE type harness and go! High-output coil, cap and rotor included.

from $159.88

Millions of Parts from the Brands You Trust!

CRAGAR

Cragar SS Wheels
Highly-polished five-spoke SS wheels have chrome steel rims and chrome aluminum centers. Center caps included. Available in 5 x 4½" and 5 x 4¾" bolt patterns, in sizes from 14 x 6 to 17 x 9 (some sizes not available in all bolt patterns). Sold individually.
Cragar SS wheels ...from **$121.95**

American Racing Equipment

American Racing Torq-Thrust "D" Wheels
- One-piece alloy
- Gray center, satin rim
- Center cap included
- Bolt patterns: 5 x 4½", 5 x 4¾ ", 5 x 5"

14 x 6 .....each **$161.39**
15 x 6 .....each **$169.39**
15 x 7 ..... each **$179.39**
15 x 8½ .....each **$194.69**
15 x 10 .....each **$211.39**

Also Available in Chrome

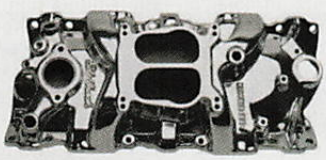
American Racing Torq-Thrust II Wheels
The two-piece alloy wheel is fully polished and comes in sizes to fit anything from T-buckets to fat fenders. Center cap included. Bolt patterns: 5 x 4½", 5 x 4¾", 5 x 5". Specify backspacing when ordering.
15 x 6.....each **$178.95**
15 x 7.....each **$189.88**
15 x 8½.....each **$199.88**
15 x 10.....each **$213.95**
16 x 7.....each **$199.88**
16 x 8.....each **$209.88**

SUMMIT

Summit Aluminum Jacks
The low-profile jacks have a single front roller for easy placement, rubber saddle pad, and 47" long handle with knurled grip. Color may vary from photo.
SUM-G1035 4,000 lb. (55 lbs.) .....each **$189.95**

SUMMIT

Summit Sport Seat
Our Sport Seat delivers that rich look of leather and many other features of expensive racing seats at a price you can afford. The soft, comfortable, simulated leather seat includes lumbar and shoulder supports for added high-speed comfort. It accommodates shoulder harnesses, has recline and tilt forward functions, and comes with adjustable sliders. Available in black, gray, and beige.
SUM-G1159 .....each **$209.95**



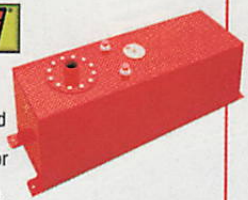
Edelbrock

Edelbrock Dual Plane Intake Manifolds
Intakes are available in satin, polished, or Endurashine™ finishes.
- Performer: Power increases from off-idle to 5,500 rpm
- Performer RPM: High-rise style, power increases from 1,500 to 6,500 rpm
- Performer RPM Air-Gap: Raised plenum style for cooler, denser air/fuel charge

Performer intakes.....from **$115.95**
Performer RPM intakes.....from **$134.88**
Performer RPM Air-Gap intakes.....from **$199.95**

RCi

RCI Street Rod Fuel Cells
Aluminum cells feature raised and straight filler neck, GM sender, and narrow design for frame rail mounting. Cells measure 30" L x 9" D x 12" H.
RCI-2161A Natural finish **$229.95**



ELECTRIC-LIFE

Electric-Life Shaved Door Handle Kit
A Summit exclusive! Kit includes door thrusters, 50 pound solenoids, 4-channel keyless entry control module, alarm system, plug and play harness, emergency cable, billet cable pull, and hardware.
ELI-99800 .....each **$199.95**

Door Thrusters
No-drill alternative to poppers, install in less than 60 seconds with the included double edge tape.
ELI-99500 .....each **$12.69**

SUMMIT

Summit Saginaw Power Steering Components
Freshen up your tired GM Saginaw power steering system!

Correct-Align Bracket
SUM-340100 Small Chevy with short or long water pump .....each **$99.95**
Power Steering Pumps
SUM-340103 Chrome .....each **$179.95**
SUM-340104 Black .....each **$109.95**
Pulleys
SUM-340101 V-belt.....each **$39.95**
SUM-340102 Serpentine.....each **$69.95**

B&M

B&M Street Rod Transmission Cooler
Cooler is designed for mounting in tight spaces with limited airflow—ideal for cramped street rod chassis. Polished finish, rated for cars up to 15,000 lbs. GVW. Installation kit not included.
BMM-70265 Street Rod cooler, 11" x 4½" x 1½".....each **$45.95**

order online SummitRacing.com

Order Toll-Free

1-800-230-3030

Order Online SummitRacing.com®

International Sales 00-1-330-630-0280

Vehicle Upgrade

Drivetrain and Accessories

BMM-81010 B&M Street Rod shifter, billet aluminum, fits TH-350.....each **$159.88**
SUM-700300 Summit TH-350, 6" tailshaft, up to 400 hp, Chevy bolt pattern.....each **$649.95**
PRM-1003 Perma-Cool frame rail transmission cooler, 1½" H x 2½" W x 24"L, 11/32" hose barbs .....each **$39.88**

We'll beat any price advertised in this magazine, on items in-stock at the time you place your order.

SOME PARTS ARE NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLES Typographical errors and errors in description or photography are subject to correction. ©2005 AUTOSALES, INC.

Your Ride, Your Way!
- *Free, same day shipping*
- *Millions of parts in stock*
- *Guaranteed lowest prices*
- *More parts than we can show*
- *2-day air guaranteed delivery-only $9.95*

Log on to SummitRacing.com for details

Call today for a FREE catalog!

SUMMIT RACING EQUIPMENT™

P.O. Box 909, Dept. 0509SR, Akron, OH 44309
Sale prices good through Sept. 1, 2005

SOURCE CODE: 0509SR

Ask the average top-shelf builder what it took to trim their car and they'll usually respond with a big name. Sue Schroeder can respond with a name, too: hers. She and Bill transformed the sedan's cockpit into a very comfy cabin with home-brewed virtue and a secondhand commercial sewing machine. The console houses the GM overdrive shift lever. The late-model Acura seats offer contemporary comfort at a fraction of the cost. Sue's future trim plans include leather hides for that additional classiness.

A proud home-brew car shows the marks of its prior owners. In this case the sedan still features several machined aluminum pieces like the license light housing that Dale Coombs machined for it.

Yep, it has bumpers and nope, they aren't Chevy pieces. The Schroeders' sedan wears a set of 1935-'36 Ford nerfs. The front dips nicely to showcase the Old Chicago '38 grille.

away. To say she did a great job for a first try undermines the quality; she did a fine job … period.

Sue and Bill Schroeder's sedan may not have pedigree or pampering on its side. However, it has good bones, good character, and a story for each thing they did to it. Now how many blue-blood catalog cars can make that claim? SR

FACTS & FIGURES

Sue and Bill Schroeder

Lancaster, California
1937 Chevrolet sedan

CHASSIS

Frame / Manufacturer	stock hat-section / Chevrolet
Wheelbase	112"
Chassis plumbing	steel Bundy line, inverted flare fittings
Rearend / Ratio	'88 Chevrolet Camaro 10-bolt / 3.73:1
Rear suspension	GM F-body torque-arm, stock anti-rollbar, adjustable mounts, KYB Gas-A-Just monotube gas shocks
Rear brakes	Camaro drum
Front suspension	Ford Mustang II crossmember, stock springs, KYB Gas-A-Just monotube shocks
Front brakes	9.5" Mustang II disc
Master cylinder	Corvette dual-circuit/8" booster on stock brake bellcrank
Steering box	Ford r&p
Front wheel make, size	American Racing (Rancho Dominguez, CA) Torq-Thrust D, 17x7
Rear wheel make, size	American Racing Torq-Thrust D, 17x8
Front tire make, size	Ultra HPH Radial GT, 235/45R-17
Rear tire make, size	Ultra HPH Radial GT, 245/45R-17
Gas tank	'37 Chevrolet 13-gal
Other chassis items	relocated spring off rear axle & recessed coil spring buckets to lower car

ENGINE

Make	Chevrolet
Displacement	305ci
Radiator	Griffin aluminum
Alternator	Delco 130-amp
Valve covers	ball-milled billet
Induction	GM throttle-body injection
Ignition / Wires	GM computer-controlled HEI / MSD (El Paso, TX)
Headers	Sanderson (S. San Francisco, CA) 1 5/8" blockhuggers
Exhaust / Mufflers	aluminized 2 1/2" steel / Walker Exhaust, MegaFlow (Jackson, MI)
Other engine facts	custom sheetmetal aluminum air box of unknown origins

TRANSMISSION

Make	700-R4

BODY

Body style / Material	two-door sedan / steel
Body manufacturer	Fisher Body Works
Body mods	2" widened fiberglass fenders & running boards, '38 Chevrolet front sheetmetal
Grille	Old Chicago (Vancouver, WA) stainless 1938
Bodywork	Eric Mueller (Palmdale, CA)
Paint type / Color	PPG / metallic silver
Painter	Eric Mueller
Headlights / Taillights	Zoops (Banning, CA) tri-bar / '37 Chevrolet w/ blue dot inserts
Outside mirror	I&I Reproductions (Paramount, CA)
Bumpers	'36 Ford

INTERIOR

Dashboard	'37 Chevrolet
Insert / Gauges	billet aluminum panel / 1988 Chevrolet Camaro
Audio	Sony X-Plod head unit; XS-V1621 and 6x9 triaxial drivers installed by Bill Schroeder
Air conditioning	GEM Street Rod Products (Covina, CA)
Steering wheel	Impy's Hot Rod (La Verne, CA)
Seats	Acura buckets, unknown vintage
Upholsterer	Sue Schroeder; materials from J&J Auto Fabrics (Rialto, CA)
Material / Color	tweed / Sherpa Gray and Fortress Violet
Carpet	silver cut-loop
Seatbelts	J&J Auto Fabrics

"Just for the fun of it!"

2005 NSRA SCHEDULE

April 15, 16, 17	OKLAHOMA CITY, OK
April 29, 30, May 1	BAKERSFIELD, CA
May 6, 7, 8	KNOXVILLE, TN
May 27, 28, 29	SPRINGFIELD, MO
June 3, 4, 5	YORK, PA
June 24, 25,26	PUEBLO, CO
July 15, 16, 17	**WEST ALLIS,WI**
August 4, 5, 6, 7	**LOUISVILLE, KY**
August 26, 27, 28	**RICHMOND, VA**
September 16, 17, 18	KALAMAZOO, MI
September 23, 24, 25	BURLINGTON, VT
October 7, 8, 9	SACRAMENTO, CA
October 14, 15, 16	TAMPA FL

WHITE events open to cars 30 years old and older

BLUE EVENT IS STREET ROD NATIONALS

Your Membership & Event Entry Makes you Eligible For:

- Over $1,000,000 in Super Prizes
- Twelve Chevrolet Colorado Pickup Give-A-ways
- Downs' 1937 Ford given away at The Street Rod Nationals®
- 12 Issues of StreetScene® –Rodding's onlynews monthly
- Access to Street Rodding's "Fellow Pages" – America's "Helping Hand" Network
- Have more FUN WITH CARS and meet new people

WINNER AT 12 EVENTS!

JOIN TODAY!

STREETSCENE® / MEMBERSHIP APPLICATION

Please start my subscription/membership as indicated

- ❑ One Year $28
- ❑ Two Years $55
- ❑ Lifetime Membership $650

OUTSIDE THE U.S. ADD $12 PER YEAR

CHARGE IT! Please bill my VISA

Account # _____

Expiration Date _____

Signature required for credit card user

Name _____

Address _____

City _____ State _____ Zip _____

NSRA Membership Number (If you are are renewing) _____

National Street Rod Association®

4030 Park Ave., Memphis, TN 38111 • 901-452-4030 • http://www.nsra-usa.com

* MUST BE MEMBER & PARTICIPANT, WITH CAR, IN STREET ROD NATIONALS*

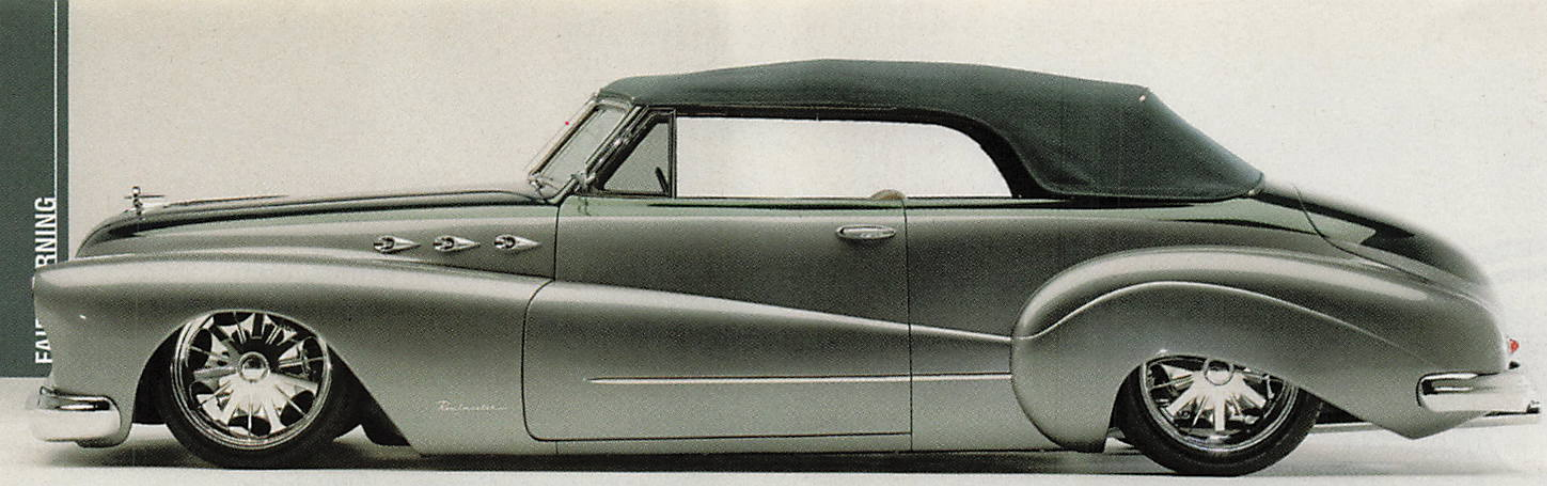
WAR

The Warn name has been synonymous with off-road, four-wheel drive, and heavy-duty truck enthusiasts for over 50 years. Starting from humble beginnings manufacturing locking hubs to convert surplus WWII Jeeps into something for the masses, the company has grown to be the leader of winches and locking hubs the world over. Mike Warn's grandfather started the company in 1948 in the Pacific Northwest, with Mike joining the company a little later in life. Although Mike sold the business a few years back, that's not to say his history with automobiles has diminished. In fact, you could say it's been reborn.

FAIR NING

mike warn's *lowla* is a sight to behold

BY RYAN MANSON | PHOTOGRAPHY BY BRIAN BRENNAN

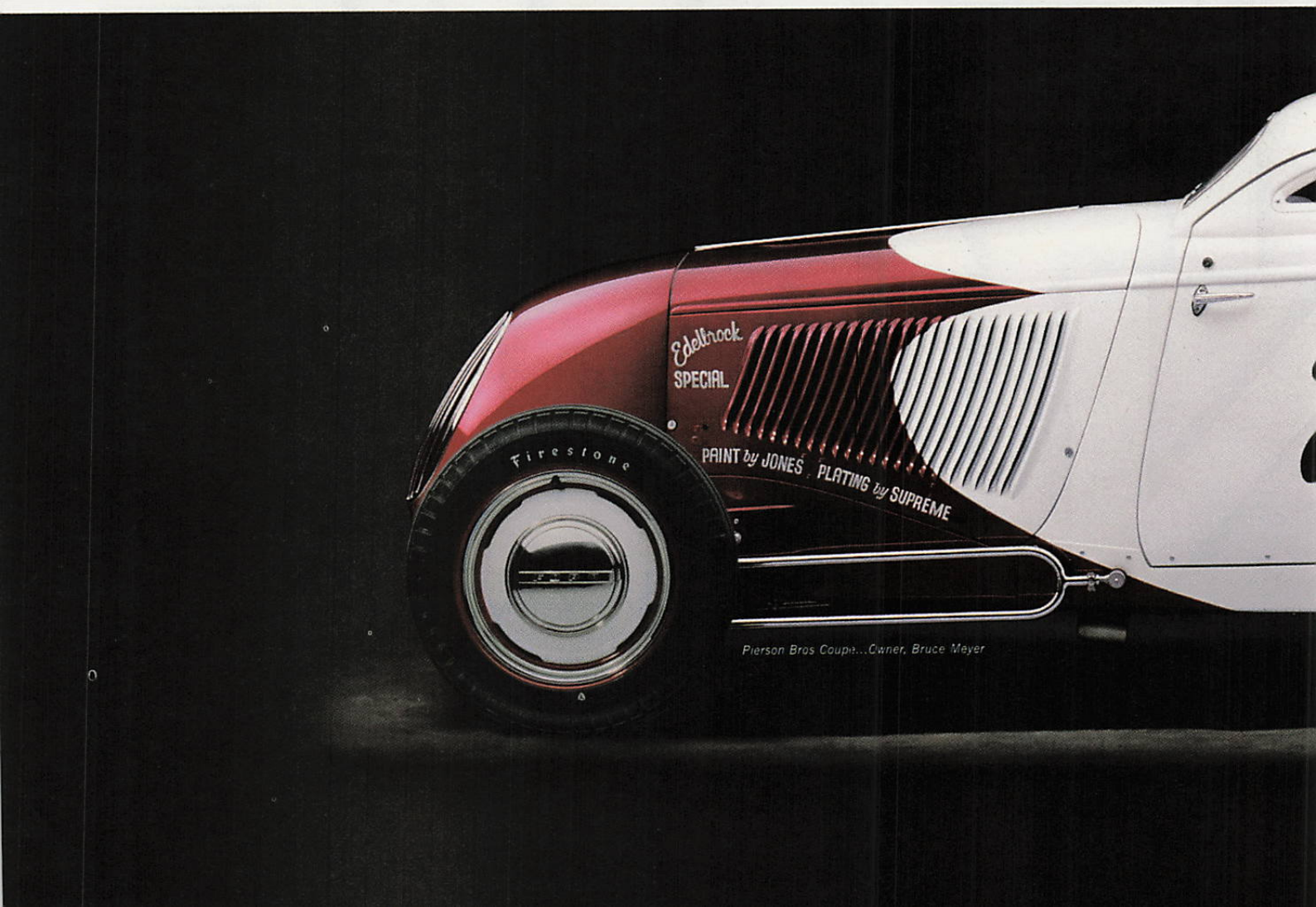


Low stance is achieved thanks to the Air Ride Technologies system at all four corners. Modified rear fenders continue the beltline from the front of car while one-off, 20-inch Budnik's hide underneath.

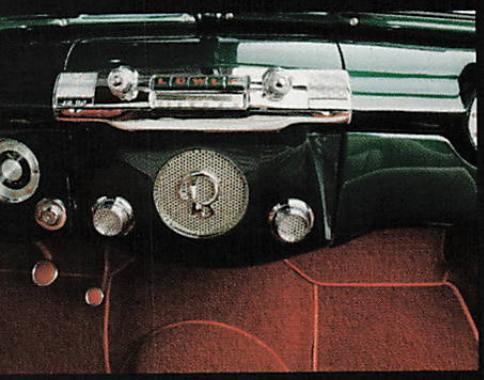
Finding inspiration as his two sons were reaching the age in which Mike himself became interested in cars, he decided it was time to build a street rod. Mike always felt bigger cars were long overlooked and were bound to make a comeback. He had purchased a '48 Buick from a local restorer and stored it in his garage for years before finally deciding to bring the dream to its fruition.

When Mike originally approached Tim Divers at Divers Hot Rods in Snohomish, Washington, the objective was to just build a nice driver, but as most of us know, one thing often leads to another, and another, and another, and well, you get the picture. As Mike and Tim started to brainstorm the direction of the old Buick, it started to become apparent that what this car needed was more than simply a motor swap. If the straight-eight and Dyna-flow transmission were to be replaced, the frame would have to be modified to accept whatever they decided to drop into its place. The rearend would also be discarded, as would the stock rear suspension, and you might as well do the front while you're at it. At this point, they decided that the way to go was with an aftermarket chassis. Art Morrison was contacted to build an Air Ride-equipped chassis that would accept the 502ci big-block Chevy and 4L80E trans with four-wheel disc brakes and from there the snowball was set into motion.

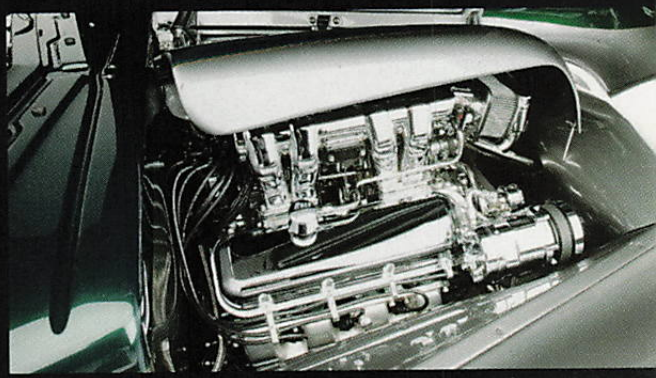
Once they came to the conclusion that they weren't dealing

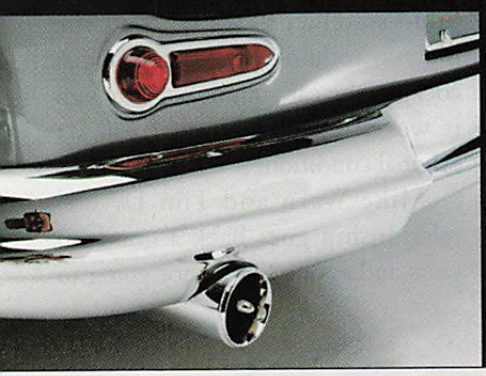


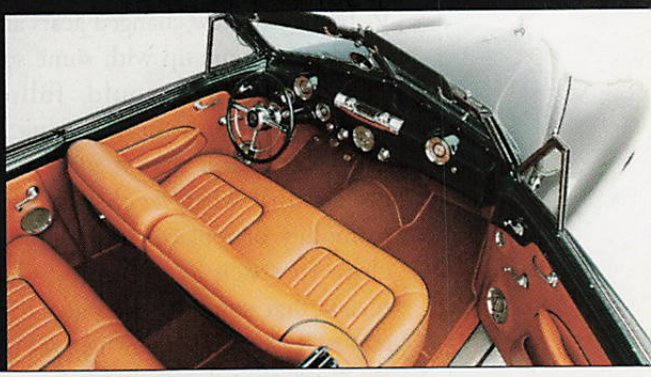
Pierson Bros Coupe...Owner, Bruce Meyer



(above left & center) One of the trickest aspects of the Buick is the way all the modern features have been carefully hidden. In this case, simply a trunk full of luggage hides the CD changer, amplifier, and subwoofer. *(above right)* With the push of a button, the stock radio flips up to reveal a DVD touch screen navigator, while inside the glovebox resides the controls for the Vintage Air and Air Ride Technologies systems. *(left)* The stock radio received the same treatment as the gauges, but bears the car's nickname, *Lowla*. *(right)* Under the hood lurks the 502hp BBC, polished to perfection and covered with a custom intake cover. *(below left)* Taillights are stock items, flipped 180 degrees to flow with the trunk better. The rear bumper has been cut, sectioned, and pulled tighter to the body, with a cutout for the billet exhaust tips to poke through. *(below right)* With the dash closed up, the car looks as if it just rolled out of the factory.







Dries the best

©2005 CleanTools • 1-888-ABSORBER • www.theabsorber.com

with the usual "freshen up and drive it" build, the crew changed gears and decided to come up with some sort of theme they would follow throughout. With the car being in the great shape that it was, they decided that whatever they decided to modify or replace would look as close to stock as possible. That meant that some of the parts they removed were used elsewhere on the car. Parts from the fenders were used on the hood; parts from the hood were used on the quarter-panels, etc. This effort was all based on trying to keep the car looking as if it could have rolled off the assembly line in 1948. The Divers' crew even went so far as to bronze-cast certain things, such as the front trio of portholes and the Buick emblems that adorn the front speaker grilles, as opposed to making the pieces out of billet.

Trying to keep a car that has been reworked on every panel appear stock is rather difficult, but has been pulled off expertly by the crew at Divers Street Rods. The bumpers have been cut in nearly 15 pieces and reassembled, the front upside down. Both wheel openings have been modified, the rear receiving a completely custom-made skirt that follows the stock beltline. The hood was trimmed, with a 3-inch section being taken out to match its profile with the rest of the car. The stock grille was retained, with an extra piece of chromed stainless added at the bottom to better finish the surround. Headlights are High Intensity Discharge type-modified to fit in the stock location, while the taillights are stock '48 Buick's rotated 180 degrees.

Inside the car, more surprises abound. Stock-appearing gauges are actually restored with updated sending units, while the stock radio is just a façade to what lies inside.

The seats were covered in Scottish leather, but not before they were retrofitted with six-way power and heaters.

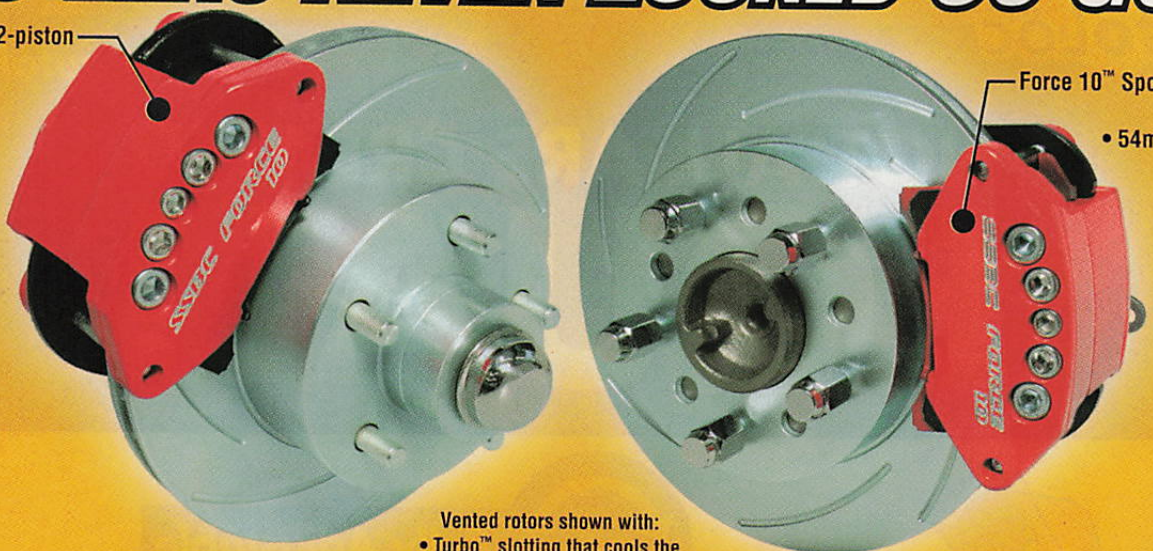
With the push of a button, the stock radio flips up to reveal a DVD touch-screen navigator, while inside the glovebox resides the controls for the Vintage Air and Air Ride Technologies systems. The electric window controls are hidden in the stock window cranks, the stock steering column remains intact, while the stock steering wheel was chopped 2 inches in diameter. The seats were covered in Scottish leather, but not before they were retrofitted with six-way power and heaters. To say the interior has creature comforts is an understatement! Yet with all the modern technology looming in the cockpit, the car still looks as though it was simply restored from its original condition.

Mike Warn and Tim Divers' relationship goes back a good 20 years and is one that is not going to end any time soon. Tim's already busy on a new project for Mike, but this time they're taking a slightly different approach. We won't give anything away right now, but if it's anything like their latest creation, we're already excited about it. SR

(continued on pg.103)

60-TO-ZERO NEVER LOOKED SO GOOD.

Force 10™ SportTwin 2-piston aluminum caliper:
- 38mm stainless pistons resist corrosion and leaking
- Lightweight design reduces unsprung weight for improved ride quality
- Can be powder coated a variety of colors



Force 10™ Sport R1 single-piston aluminum caliper:
- 54mm stainless piston resists corrosion and leaking
- Built-in parking brake provides added safety
- Can be powder coated a variety of colors

Vented rotors shown with:
- Turbo™ slotting that cools the rotor to resist warping
- Xtra Life™ plating that inhibits rust on non-swept areas

Detailed product listings at
ssbrakes.com/streetrods

800.448.7722

SSBC
STAINLESS STEEL BRAKES CORPORATION

MATCHING FRONT & REAR DISC BRAKES FOR STREET RODS. Shown is a front kit for Mustang II based suspensions featuring our Force 10 SportTwin caliper (straight axle kits available). Separate rear kit features Force 10 Sport R1 caliper and is available for Ford 8" & 9" and GM 10 & 12 bolt rear ends. Kits have 11" rotors and fit in 15" wheels. All are complete with all components needed for installation.

CLASSIC & CONTEMPORARY

CHOOSE FROM OVER 80 STYLES

Wheel Vintiques

NEW!

102 Series
Billet Axiom
17x7 to 18x9.5"

5515 E. Lamona Ave.
Fresno, CA 93727
559-251-6957

GET OUR ALL-NEW 2005 CATALOG!
We'll send you a postpaid copy for $3. Or download it right now from our web site: **www.WheelVintiques.com**

AutoLöc™

www.autoloc.com

NOT ALL ARE CREATED EQUAL!

*Patent Pending

Fully Adjustable

18 Channels

Limited Lifetime Warranty

Just Twist for MORE POWER!

Adjustable Shaved Door Handle Kits

AutoLöc's Shaved Door Handle Kits offer the strongest solenoids on the market. Guaranteed to open the toughest of doors! Don't be fooled by inferior kits that claim their solenoids are strong enough to pop your doors open. Insist on the best! These kits are great on all latching systems including stubborn, older OEM latches. Available with 35 lbs solenoids or our NEW Adjustable, Heavy Duty Solenoid. The easy to use adjustable tip ranges from 50-105 lbs of pulling power!

From $250

- ***Customized Kits***
- ***Heavy Duty Solenoids***
- ***Programmable Receiver***
- ***MultiPoint No-Slip Tip****
- ***Long Range Remotes***
- ***2x Retention Springs***
- ***Independent Button***
- ***No Delay***
- ***Detailed Instructions***
- ***Limited Lifetime Warranty***
- ***And Much More!***

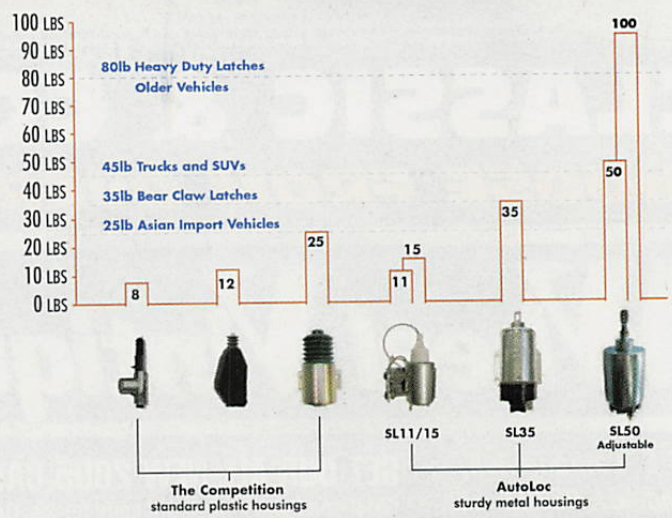
*Only Available on the SL50

WARNING!

Don't Settle For Anything Less Than The Best!

All AutoLöc™ Heavy Duty Solenoids feature our Pro-Rated Return Spring. Our competitor's solenoids use rubber boots instead of return springs. These rubber boots become stretched, torn or deteriorate over time causing solenoid failure by allowing the piston to pop out.

Solenoid Performance Chart



©2005 The Hoffman Group LLC. All Rights Reserved. Prices subject to change without notice. No refunds with an authorization number. All refunds are subject to a 25% restocking fee.

Shaved Door Handle Accessories

AutoLöc

Emergency Release Kits

AutoLöc's Emergency Door Release Systems allows you to open your door in the event of a dead battery, or lost remote control. The universal system works on all doors, trunks, hoods and more! All kits include detailed instructions and are backed by a Limited Lifetime Warranty.

Don't Get Stuck!
BE PREPARED!

Also Available with
BILLET KNOB

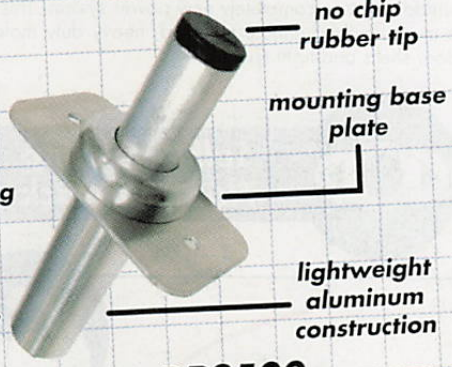
From $39.95

Door Poppers

POP!

AutoLöc's state of the art door poppers are the best on the market. Guaranteed to pop out your shaved doors smoothly and reliably. Adjustable spring tension allows you to easily customize the pop-out distance.

DP3500
*Patent # 6711856



From $19.95

DP3000

*Patent # 6711856

DP2500

Tried and true standard adjustable door popper. Chrome-plated finish.

Adjustable Cable Clamp

This high quality adjustable cable clamp allows you to fine tune your solenoid's cable slack while offering maximum hold.

Great For Relieving HEADACHES!

Cable Extension Kit

Allows you to mount your solenoids anywhere inside your vehicle.

GO REMOTE!

Waterproof Backup Button

Don't break your window! Install a waterproof back up button instead. Ideal for all shaved door handle applications.

Save Your GLASS!

From $19.95

Keyless Entry Units

TAKE CONTROL! Control any 12 volt power accessory by remote. Operate shaved doors, locks, trunks, windows and more! Up to 18 output channels. Choose between 4, 5, 6, 7, 8, 10, 16 and 18 channels.

- Plug-In Harness
- Easy Installation
- Long Range Compact Remotes
- Detailed Instructions
- Limited Lifetime Warranty

Plug & Play

From $90

Universal Wiper Kit

SEE CLEARLY! Insure your safety every time you step in your vehicle! Its universal design also works great for custom applications or as a replacement for your old outdated system.

- Multi-Speed Operation
- Heavy Duty Motor
- Plug-In Harness

Plug & Play

Universal Design!

800.873.4038
www.autoloc.com

FREE Catalog
New 2005 catalog is available! Call us today.

THE BEST OUT THERE!

Flat Glass Power Window Kits

POWER UP! AutoLöc's Flexible Flat Glass Power Window Kit allows you to convert your old flat glass windows into a completely new power system. This NEW kit has been redesigned and now features a more flexible, remote mounted, heavy duty motor. The PW5500 series kits work great in small door shells and tight spaces.

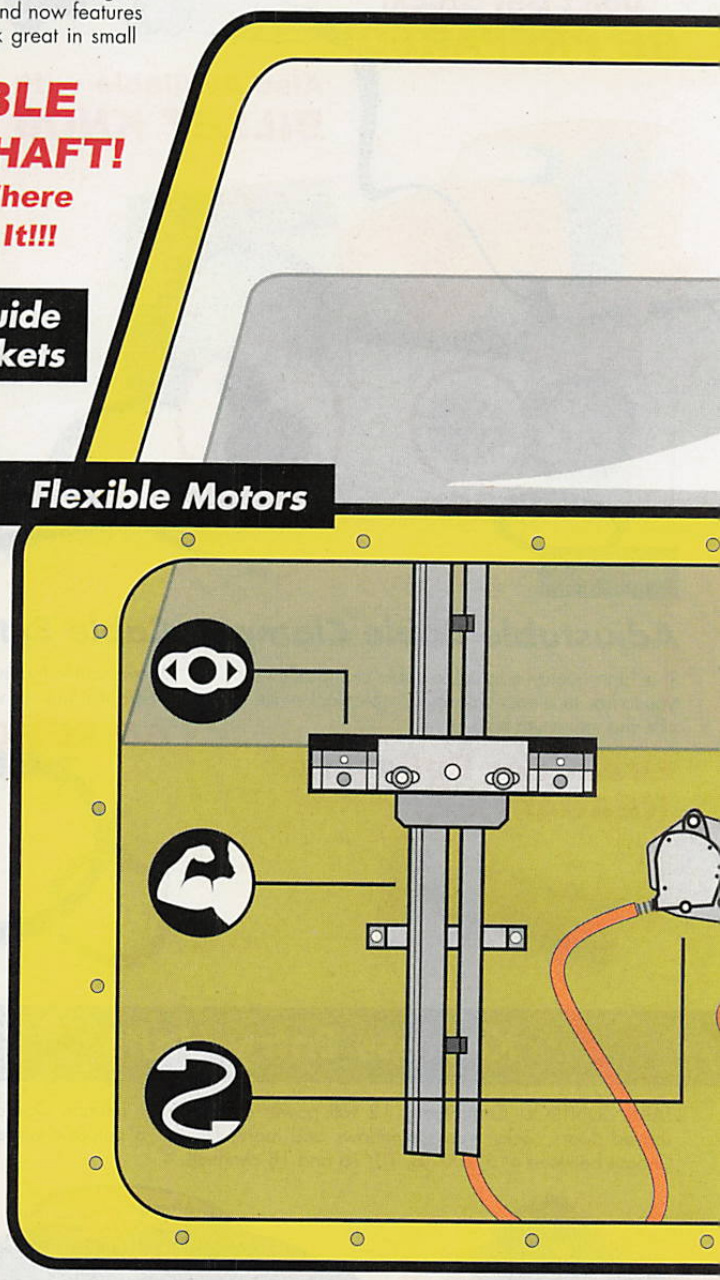
Self Adjusting Floating Track

FLEXIBLE MOTOR SHAFT!
Mount It Where You Want It!!!

Reinforced Guide Tracks & Brackets

From $199

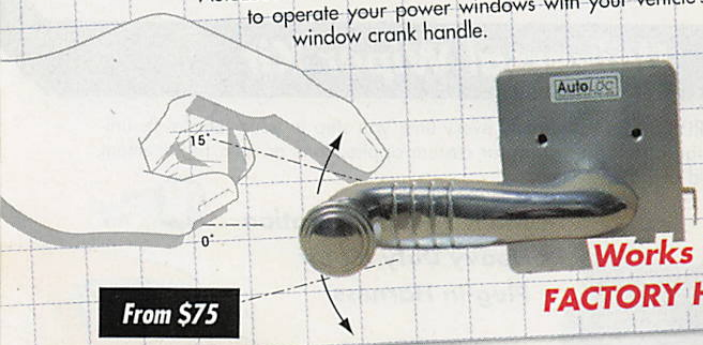
Flexible Motors



AWESOME!

Electric Window Crank Switch

AutoLöc's revolutionary electric window crank switches allow you to operate your power windows with your vehicle's original window crank handle.



Works With FACTORY HANDLE!

From $75

Billet Switches

Try these hot, stylish billet aluminum switches! Available in a 3 switch set with wiring harness with or without AutoLöc™ flame logo.

From $45

One Touch Windows

Now you can add the convenience of "one touch" windows to any vehicle! Roll your windows all the way up or down with a single touch of a button.

From $35

Remote Window Kits

AutoLoc's exclusive One Touch Express kit will allow you to remotely control any two power windows with ease. This kit works on any domestic, import, and after-market power window systems.

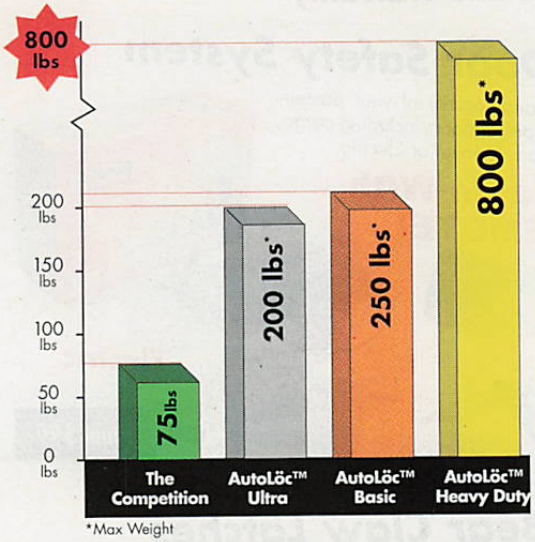
©2005 The Hoffman Group LLC. All Rights Reserved. Prices subject to change without notice. No refunds with an authorization number. All refunds are subject to a 25% restocking fee.

Heavy Duty Linear Actuators

AutoLöc™

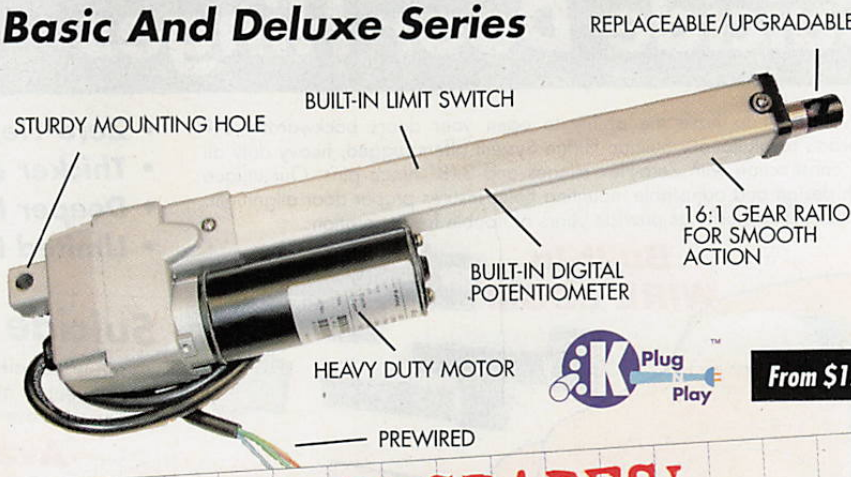
You Want Extreme Power? AutoLöc™ is proud to introduce its line of industrial strength linear actuators. These are the ultimate accessory for installing power operated hoods, trunks, tonneau covers, or any other heavy-duty lifting applications. Available in several sizes and load ratings.

Featured On Several Popular TV Shows!



*Max Weight

Basic And Deluxe Series



Plug & Play

From $179

TURBO UPGRADES!

Turbo Gear Kit

Kick it into high or low gear, with a Turbo Gear Kit. Change speed and load capacity.

Turbo Motor Kit

Speed up your AutoLöc™ Linear Actuator with a Turbo Motor Upgrade. Turbo Motor spins at 6000 RPM!

6000 RPM

Linear Actuator Bracket

Mount Up! AutoLöc's Linear Actuator Mounting Bracket is a must for mounting actuators to hoods, trunks, or any moving part.

MOUNT UP!

Linear Actuator Brush

AutoLöc's Linear Actuator Brush is a great accessory when mounting hidden linear actuators. Covers openings where linear actuators emerge and prevents wind drafts.

HIDE IT!

Motor Control Unit

Take Control! AutoLöc's programmable motor control unit allows you to program up to eight run times or distances for any 2 wire 12V reversible motor.

- ***Works On All Motors***
- ***Remote Input***
- ***Ideal For Linear Actuators, Windows & Sunroofs***

From $59.95

PROGRAM IT!

AutoLöc SmokeScreen Kit

FOR OFF ROAD USE ONLY.

Smoke 'em if you got 'em! Whether you think you are a fleeing special agent or you just want to add a little more spice to your burn outs with a push of a button.

From $199

*Water Based Non Toxic Formula

FLAME THROWER

up to 20 foot flames!!!

FOR OFF ROAD USE ONLY.

Smores Not Included! The exhaust flame thrower kit is a must have for all vehicles. Make up to 20' flames!

From $125

800.873.4038
www.autoloc.com

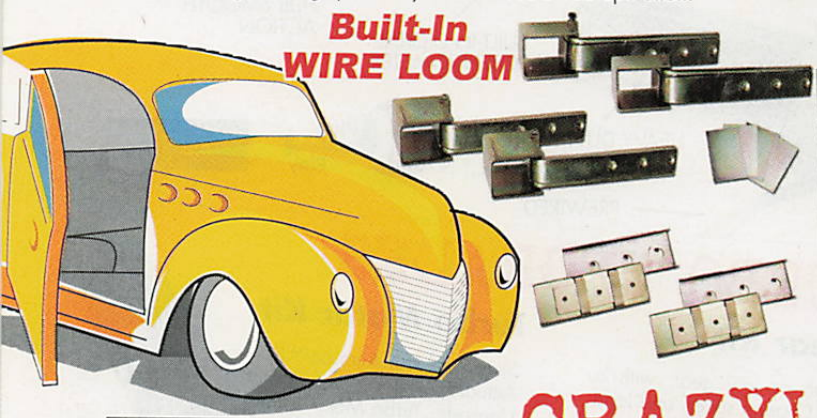
FREE Catalog
New 2005 catalog is available! Call us today.

Suicide Door Hinges

Call For A FREE CATALOG!

Do you want to have the ability to open your doors backwards 90°? AutoLöc's revolutionary Suicide Hinge System offers rugged, heavy duty all steel construction with Zero-Flex Hinges and 3/8" hinge pins. Our unique notch design and adjustable mounting holes insures proper door alignment. Self lubricating bushings provide years of trouble free operation.

- **Zero-Flex Hinges**
- **Thicker & Stronger Construction**
- **Deeper Hinge Pockets**
- **Limited Lifetime Warranty**



From $299

CRAZY!

Suicide Door Safety System

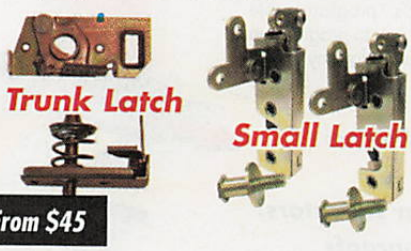
Increase the safety and security of your passengers. Great for all types of doors including cargo, sliding, and overhead. Manual or Electric.

Available With REMOTE!

From $99

Bear Claw Latches

Features double rotary "claw" latch insuring maximum performance and durability. Available in small, large and trunks latches.



LOCKING FEATURE!

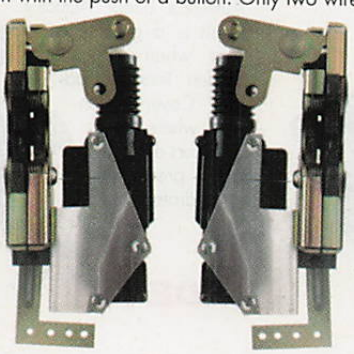
From $45

Bear Claw Install Kit

These high quality installation kits make Bear Claw latch installation a snap! Available for small and large bear claw latches.

Power Bear Claw Latches

The Power Bear Claw Latch System is a bolt-in kit that will pop your vehicle's door open with the push of a button. Only two wires to power up!



Available With REMOTE!

- **Bolt-On Design**
- **Detailed Instructions**
- **Ideal For Thin Doors**
- **Limited Lifetime Warranty**

Power Antenna

GET CRYSTAL CLEAR RECEPTION! The AutoLöc™ Power Antenna offers the ultimate reception at a very affordable price.

From $45

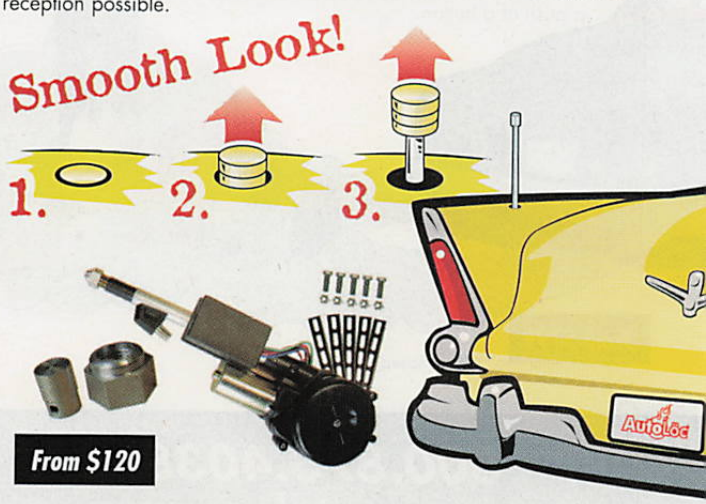
Hidden Antenna

SHAVE THAT ANTENNA! Now you can shave your factory external antenna and achieve the ultimate clean look for your vehicle.

ULTRA CLEAR Reception!

Flush Mount Antennas

ULTIMATE FLUSH MOUNT ANTENNA KIT! The AutoLöc™ Flush Mount Antenna lets you have the shaved antenna look while still having the best reception possible.

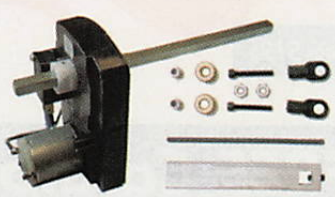


From $120

Motorized Cowl Vent Kit

Kit can be used to motorize your cowl vents, open hinged panels for stereos or reveal hidden compartments. The ideas are endless! Includes detailed instructions.

NEW!



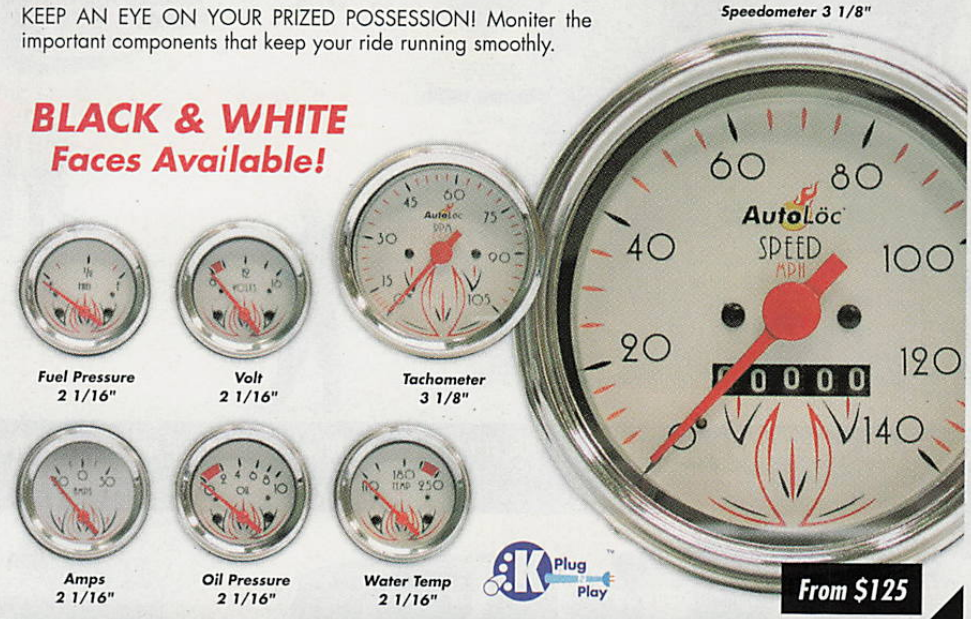
©2005 The Hoffman Group LLC. All Rights Reserved. Prices subject to change without notice. No refunds with an authorization number. All refunds are subject to a 25% restocking fee.

Hod Rod Gauges

AutoLöc™

KEEP AN EYE ON YOUR PRIZED POSSESSION! Moniter the important components that keep your ride running smoothly.

BLACK & WHITE Faces Available!



Speedometer 3 1/8"

Fuel Pressure 2 1/16"

Volt 2 1/16"

Tachometer 3 1/8"

Amps 2 1/16"

Oil Pressure 2 1/16"

Water Temp 2 1/16"

K Plug & Play

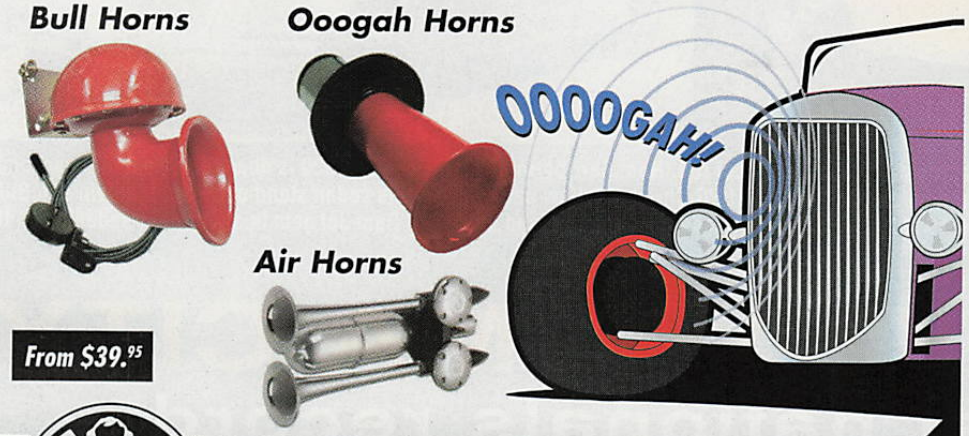
From $125

High Power Horns

We carry a large array of electric and air powered horns. All horns work great for 12 volt trucks, imports, hot rods or any project you are building. All feature rugged construction, easy mounting and detailed instructions.

Bull Horns

Ooogah Horns



Air Horns

From $39.95

Seat Belts & Anchor Plate Kits

BUCKLE UP IN STYLE! Heavy duty OEM style fabric, and CAD design insures your safety every time you buckle up! Each belt offers a unique easy release push button design for easy operation. Available in several colors and configurations to best suit your needs.

From $19.95

Anchor Plate Kits

Ideal for reinforcing the mounting locations for all seat belts.

Black (BK) | Gray (GR) | Charcoal (CH) | Tan (TN) | Burgundy (BG)

Angled & Flat

order:: 503.693.6608 fax:: 503.640.3091
201 SE Oak Street :: Portland, OR 97214

800.873.4038
www.autoloc.com

code 9

FACTS & FIGURES

Mike Warn
Wilsonville, Oregon
1948 Buick Roadmaster

CHASSIS

Frame / Manufacturer	Art Morrison (Fife, WA)
Wheelbase	129"
Modifications	one-off chassis
Chassis plumbing	stainless
Rearend / Ratio	Strange Engineering (Morton Grove, IL) / 3.70:1
Rear suspension	Air Ride Technologies (Jasper, IN)
Rear brakes	Wilwood Engineering disc (Camarillo, CA)
Front suspension	Air Ride Technologies independent
Front brakes	Wilwood disc
Master cylinder	Kugel Komponents (La Habra, CA)
Steering box	Mustang II power r&p
Front wheel make, size	Budnik Wheels (Huntington Beach, CA) one-off, 20x8.5"
Rear wheel make, size	Budnik Wheels one-off, 20x10"
Front tire make, size	BFGoodrich, 245/40R20
Rear tire make, size	BFGoodrich, 295/40R20
Gas tank	Rock Valley Antique Auto Parts (Stillman Valley, IL)

ENGINE

Make	Chevy
Displacement	502ci
Machining / Assembly	Street & Performance (Mena, AR)
Cooling fan	SPAL (Des Moines, IA)
Radiator	Walker Radiator Works (Memphis, TN)
Alternator	Street & Performance
Manifold / Induction	GM Ram Jet
Headers	Sanderson Headers (S. San Francisco, CA)
Exhaust / Mufflers	2 1/2" HPC coated / Borla Performance Industries (Oxnard, CA)

TRANSMISSION

Make	GM 4L80E

BODY

Body style / Material	Convertible / steel
Body manufacturer	Buick
Bodywork	Rich Thayer & Shawn Mc Nalley / Nick Lampert, Russ, Scott, & Tim Divers
Paint type / Color	PPG / Jaguar Green, Porsche Seal Grey
Painter	Rich Thayer at R & J Customs (Enumclaw, WA)
Graphics	Donn Trethewey (Port Townsend, WA)
Headlights / Taillights	High-Intensity Discharge / '48 Buick rotated 180 degrees
Bumpers	sectioned & reworked, inverted front bumper

INTERIOR

Dashboard	modified original
Insert / Gauges	reconditioned stock by United Speedometer Service (Riverside, CA)
Stereo / Speakers	Kenwood DVD touch navigation / Focal Polyglass
Air conditioning	Vintage Air Inc. (San Antonio, CA)
Wiring	Ron Francis Wiring (Chester, PA)
Steering wheel	Dennis Crooks Quality Restorations (Port Orchard, WA)
Seats	stock w/ six-way power & seat heaters by Check Corporation
Upholsterer	Scott Divers Design Studio (Snohomish, WA)
Material / Color	Andrew Muirhead Fine Scottish Leather / Dumbarton 3940
Carpet	Mercedes-Benz

The NSRA Southwest Nationals saw a record broken this year in Oklahoma City. There were 1,984 street rods registered for the event and the spectators covered the state fairgrounds all weekend.

(left) When was the last time you saw an Essex? It probably was not a street rod. Roc, Carrie, and Kyle Stricklin's 1929 is powered by a 350 Chevy and stops with four-wheel disc brakes, and coilovers smooth out the ride. The PPG Chrome Yellow paint makes this sedan stand out. *(right)* Velvin and Billie Jo Carter from Ft. Worth, TX, own this big beautiful 1934 Buick. A big car needs a big engine, and a GM 502 Ram Jet gets this four-door sedan down the road with no problems.

NSRA OKLAHOMA CITY

a southwest nationals record

Brad Goodheart's 1941 Ford pickup is chopped and the doors were lengthened 6 inches, all resting on an Art Morrison chassis. The tailgate is side-hinged, the doors open suicide-style and the center of the bed is hinged for access to the Air Ride components and fuel tank. Carefree Auto Body applied the custom paint and graphics.

BY JERRY DIXEY

While the Northern and Midwestern states were still digging out from the wrath of a severe winter, Oklahoma City was into full springtime gear by early April. Since, for many parts of the country, summer is still a long way off, the Southwest Nationals kickoff to the National Street Rod Association season has proven to be very popular with street rodders from all across the country. By Saturday afternoon, 1,984 street rods were cruising the huge Oklahoma State Fairgrounds.

"I first introduced House of Kolor® in 1956. From primer to clear coat, our products are designed as a complete painting system. When it comes to a quality custom paint job, time has tested and shown that nothing compares to House of Kolor®."

Jon Kosmoski
FOUNDER OF HOUSE OF KOLOR®

Jon Kosmoski knows what it takes to make the best in custom paints. Only color shifting paints from House of Kolor® have earned the right to be called Kameleon®. The "K" in the name means it is a Kosmoski creation, with Jon's more than fifty years of experience to back it up.

For more information on this and other products offered by House of Kolor®, contact you local premier jobber store or www.houseofkolor.com.

HOUSE OF KOLOR®
WWW.HOUSEOFKOLOR.COM
210 CROSBY STREET • PICAYUNE, MS 39466 • 601.798.4429
© 2005 THE VALSPAR CORPORATION. ALL RIGHT RESERVED

SHOPPING FOR A DEUCE CHASSIS?

Then you'll want the most "builder friendly" chassis ever created. This is what it looks like, fully assembled.

We want our turn key cars to go together easily, so we came up with this chassis. It's got everything.

With our chassis, there's no question you're going first class...it comes with an all-stainless brake line system, polished rack & pinion steering, nine-inch Ford rear, polished Wilwood power disc brakes, Super Bell Axle, Posies Super Slide spring...and, after we dip the whole front suspension in the chrome tank, we even chrome every nut and bolt on the chassis, too. We also offer Kugel independent suspensions and many types of upgrades, including running gear packages. Available "custom fitted" options include our stainless exhaust system and a beautiful stainless fuel line kit, both of which are made to fall right into place for you.

The basic chassis comes with a dropped I-beam front axle and a 9" Ford rear end with a triangulated 4-bar rear suspension and adjustable coil-overs. Independent front and rear suspensions are optional.

Kugel I.R.S.

A-arm front suspension

Classic I-beam front end

HOT RODS & HORSEPOWER

Call for Free Literature

11 Business Park Dr., Branford, CT 06405
203-481-1932 (fax: 203-488-6523) www.HotRodsAndHorsepower.com

Or...if you have a lot of time on your hands, you could buy a chassis from a company that doesn't build cars, and build a lot of this stuff yourself.

The weekend got off to a great start on Thursday evening. Over 300 street rods showed up for a cookout hosted by Liz and Cody Parr at Parr Automotive.

Liz and Cody Parr and the entire Parr Automotive staff again greeted folks on Thursday evening with an open house. There were over 300 street rods in attendance and everyone enjoyed the food, beverage, and especially the door prizes.

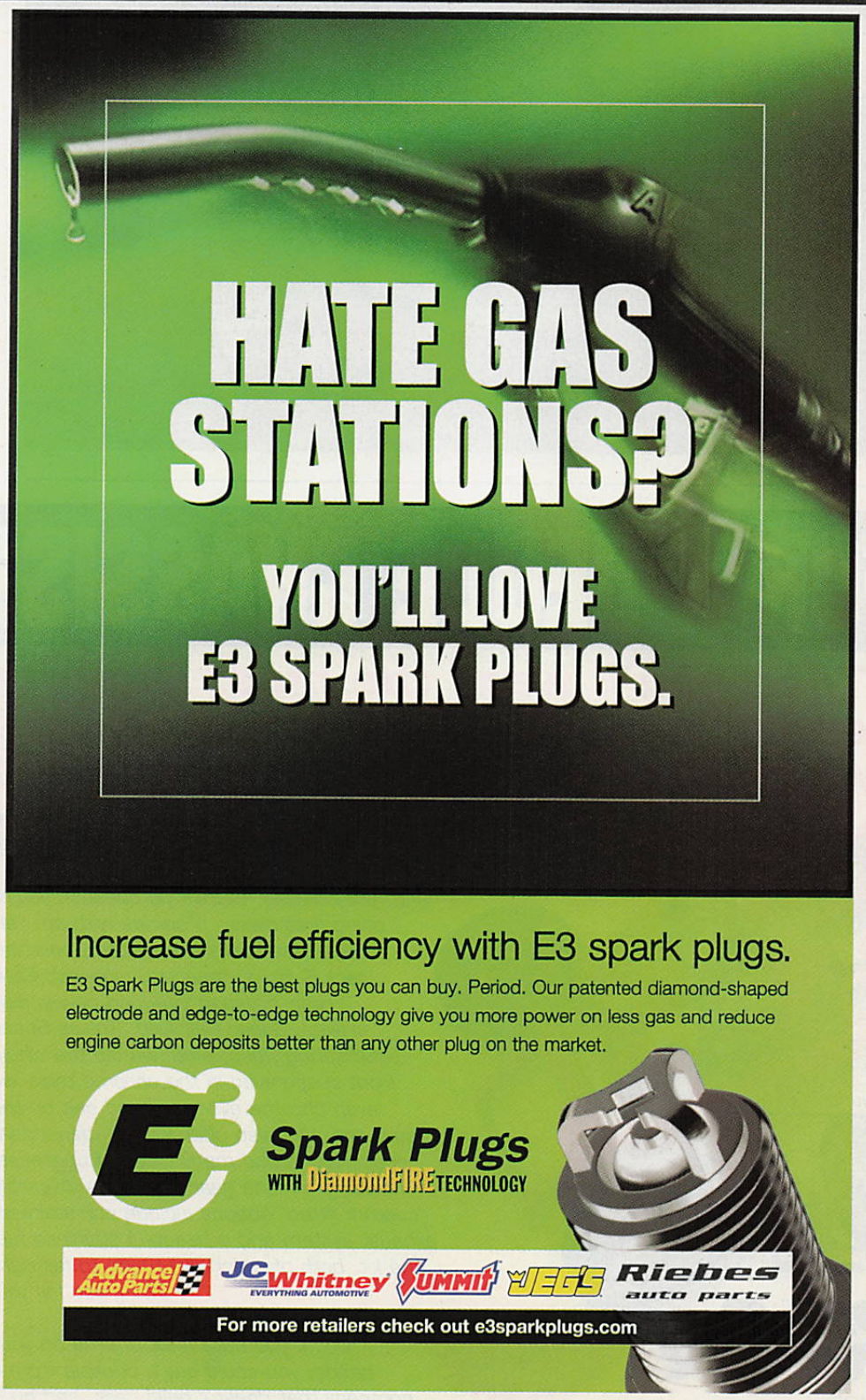
On Friday morning at the fairgrounds the rods started to line up early for the parade through the streets of downtown Oklahoma City. Over 100 vehicles gave the folks of the city a taste of what could be seen at the fairgrounds over the weekend.

After a day of great weather, with temperatures in the '70s, the merchants from the Bricktown entertainment area and the Convention and Visitors Bureau invited all the street rodders to an evening of food and fun. A special parking area for street rods was set up and everyone enjoyed the restaurants and clubs in the historic Bricktown area.

The wonderful weather continued on Saturday and so did the activities at the fairgrounds. Record crowds of rods and spectators enjoyed the Streets of Rods, the large swap meet area, and shopping at the displays of the 90 vendors that were displaying their wares. The NSRA Safety Inspection team was busy over the weekend, with a record 305 vehicles inspected. There were lots of happy street rodders in attendance as over $96,000 in Super Prizes were given out over the weekend.

Sunday's perfect weather made it three in a row and the crowds started to gather earlier for the 2 p.m. awards ceremonies. Over 30 special street rods were on display and were given special recognition from the stage by the event director, Tom Biles. The *Long Distance Award* went to Myra and Perry Brochner, who made the trip to Oklahoma City from their home in Bremerton, Washington. Next year's dates of April 7, 8, and 9 were announced and then William Gregory's name was drawn as the winner of the 2005 Chevrolet Colorado pickup.

If the kickoff event of the NSRA schedule is any indication, the 2005 rod run season should be another great one. SR


HATE GAS STATIONS?
YOU'LL LOVE E3 SPARK PLUGS.
Increase fuel efficiency with E3 spark plugs.
E3 Spark Plugs are the best plugs you can buy. Period. Our patented diamond-shaped electrode and edge-to-edge technology give you more power on less gas and reduce engine carbon deposits better than any other plug on the market.
E3 Spark Plugs
WITH DiamondFIRE TECHNOLOGY
Advance Auto Parts
JC Whitney EVERYTHING AUTOMOTIVE
SUMMIT
JEGS
Riebes auto parts
For more retailers check out e3sparkplugs.com

FLOWMASTER INC.

THE EXHAUST TECHNOLOGY COMPANY

SANTA ROSA, CA

THE NEW KING OF COOL™

www.flowmastermufflers.com

HUSHPOWER® II MUFFLERS FEATURE A COOL SHELL™ CASE FOR IMPROVED HEAT CONTROL, ALL STAINLESS CONSTRUCTION, LAMINAR GAS FLOW WITH BROADBAND SOUND CANCELLATION FOR A RICH FIFTIES TONE. DESIGNED TO HANDLE UP TO 400 HORSEPOWER.* PERFECT FOR STREET RODS, CUSTOMS AND CLASSIC TRUCKS.

(*DUAL INSTALLATION)

HUSHPOWER® II's ARE AVAILABLE IN EITHER STAINLESS T-304 or T-409

HUSHPOWER® II

Roger & Nancy Ritzow '32 Ford Roadster Built by Rad Rides By Troy:Hushpower® II-Equipped

Call Our Tech Line For Details

800 544-4761

GEAR STAR

MADE IN USA

Built to Specs – Dyno Tested! Performance Transmissions

www.gearstar.net – (800) 633-2353

Sales Open 7 Days a Week • Tech Hot-Line Mon. – Fri. (330) 434-5216

Chevy 350

Level 2 – 350 HP - with High Stall HD Converter – TransGo Shift Kit – ALTO Redline Racing Frictions

$595

Chevy 400

Level 2 – 450 HP - with High Stall HD Converter – TransGo Shift Kit – Ray Bestos High Energy Frictions – Deep Chrome Pan

$795

12 Month 12,000 Mile Warranty (Extended Available) • S & H Only $99.95 on all trans

No Core Charge on all trans

4L60-700R4 or 2004R

Level 2 for 289/305/350/Small Block – 350 HP – with 2000 High Stall HD Converter • ALTO Redline Racing Clutches & Band • RB Steels • Corvette Servo • 10 Vane Pump • TransGo Competition Shift Kit • New TV Cable, Auxiliary Cooler, Fill Tube & Stick, Mount & Dustcover

$1295

4L60-700R4 or 2004R

Level 2 for 355/383/396/454/Corvette/4x4 & High Torque Small Block– 450 HP – with 2200 High Stall Furnace Brazed HD Converter – Same Package as 400 HP with the added features of Beast Sun Gear Shell & Extreme Duty Springs, Furnace Brazed Torque Converter

$1595

GM Ford & Mopar

4L60-700R4 or 2004R

Level 3 – 500 HP – with 2400 High Stall Furnace Brazed HD Converter – Same Package as "Level 2" with the added features of Kolene Steels, extreme duty springs, Sonnax "Superhold" 3-4 Servo and Monster 13 Vane Pump, 12 Quarts Amsoil Synthetic ATF

$1995

4L60-700R4 or 2004R

Level 3 – 700 HP – Street Strip with 2800 to 4500 Stall Speed – Ten Inch Racing Converter – The Ultimate Racing Transmission for the Street for highly modified motors – Same Package as Level 3 Transmission with the added features of Ten Inch Lockup Converter, TRD Hardened Shaft, Hardened Drum, TransGo full race Reprogramming Shift Kit

$2895

4L80E - with Computer

Level 2 – 600 HP – with Furnace Brazed HS/HD Torque Converter – *Includes HGM Stand Alone Computer custom made for your vehicle* – TransGo Competition Reprogramming Shift Kit, RB High Energy Frictions & Band

Only $2695

OK, we admit it looks like Brookville stamped the whole side of the car as one piece, but that's not the case. They simply assembled a doorskin to a side skin for maximum display impact. For the record, that's Kenny Gollahon propping the panel up. He's mostly responsible for these Deuce reproductions.

BY CHRIS SHELTON

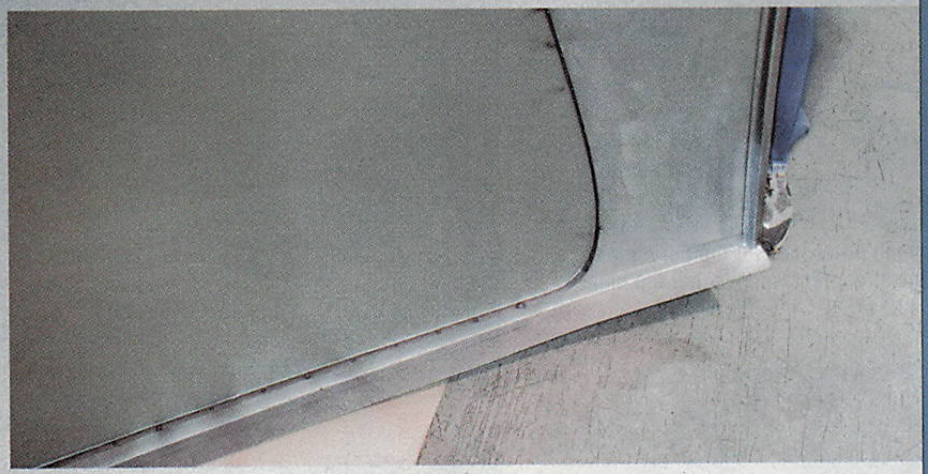
MAGNUM OPUS DEUCE

brookville ups the ante ... three-window style

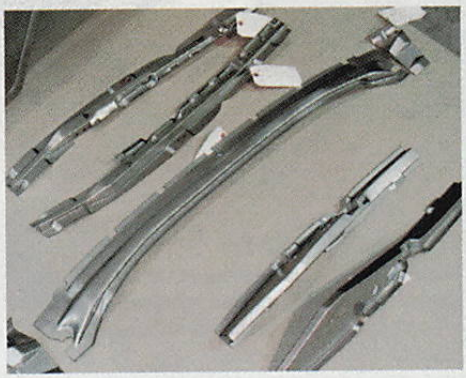
Any self-respecting magazine editor wants nothing but current and up-to-date information. It's the name of the game. However, this is one of those situations where we're wishing that we're hopelessly out of date by the time this issue reaches newsstands.

Believe us, it's not because we're self-defeatist. Attribute our attitude to the fact that Brookville Roadster, the purveyors of top-quality Ford reproduction Model A and Deuce Roadster bodies and body panels, tooled up to manufacture the Holy Grail of Hotrodderdom: the Deuce three-window coupe. And when we dropped by just before the cusp of spring, they hadn't just pounded out a few panels; they had a good part of the car itself hanging in the rafters. These weren't one-off hand-beat panels to entice the masses with the prospect of their own coupe body; these were honest-to-goodness stamped parts—the byproduct of real stamping dies that are capable of producing many more panels.

Needless to say, this excites us enough to hope that Brookville renders our story good and obsolete by the time this reaches your hot little hands; we want to get *our* hands on this hot little body!



While Brookville's body is faithful to the original's dimensions, they did make a few slight manufacturing changes. Thirties' era technological constraints and the need for mass-produced replacement panels required Ford to stamp several distinct panels and assemble them to build a body. Contemporary deep-draw technology and the current market's higher body-to-panel demand prompted Brookville to eliminate the roof, quarter, header, and sill seams and stamp each body side as one piece.



(left) As incredible as a body side is, it still isn't much without the inner structure. Think of each one of these dash- and doorjamb-support panels as at least two or three *sets* of dies. *(right)* The door's inner structure is no small feat, either. It's just as, if not more, complex than the outer skin yet it'll probably never see the light of day.

The door's leading edge features the same hinge pocket dimensions and body reveals as the originals—right down to the door-check strap slot. And yes, they're casting the hinges as we speak, too. Even the hinge pins required specialized machining. Note the extensive spot welding required to assemble these relatively simple-looking panels.

To understand the immense proportions of this task, refer to the Shop Tour we published in the October 2003 issue. Over the relatively recent past, Ray Gollahon transformed Brookville Roadster from a grassroots reproduction sheetmetal shop into a full-fledged body manufacturer. Drafting Ray's son Kenny to the rolls in 1997 only kicked the creativity and production into overdrive; by 1998 they released the body at the L.A. Roadster's Father's Day show.

The splash that body made and the subsequent demand for it only stoked the fires. "Next?" we asked. "How 'bout a three-window body," they answered. After all, the low supply of virgin three-window tin and the high demand for anything three-window seems to justify the risk.

Or so it seems; if the jump from Model A to Deuce roadster was a big leap, the jump from a Deuce roadster to a Deuce three-window might as well be to the moon. First off, the three-window has a top, a windshield mechanism, and complete doors with radically different construction. But it isn't just a top on a Deuce roadster body; the three-window Deuce is a completely different monster made by a completely different body manufacturer back in the day.

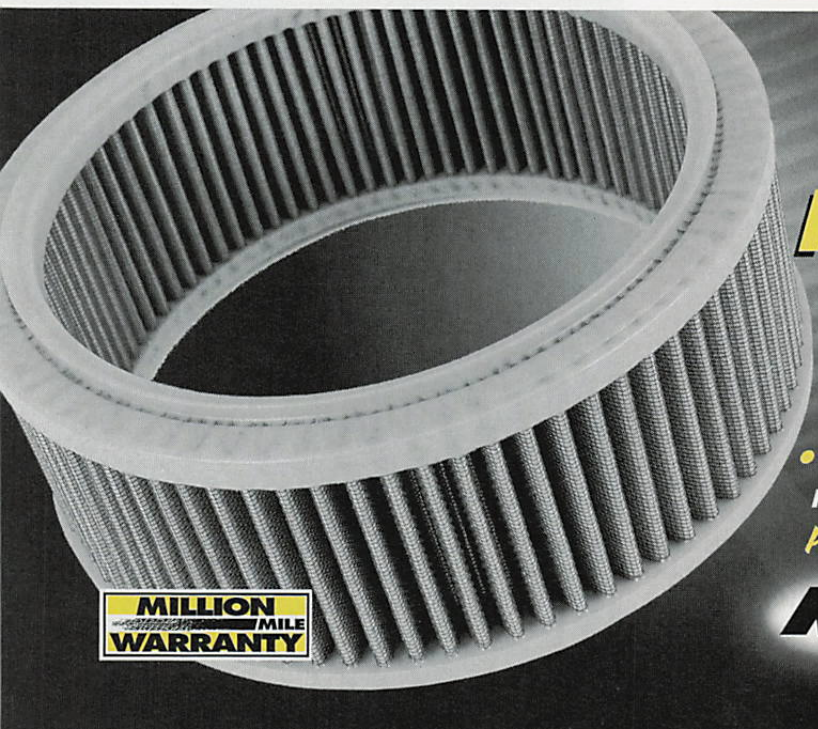
First off, the three-window has longer doors that open from the front. The quarter-panels feature a more rounded profile and no five-window or roadster reveal around the trunk. Even the rear apron differs; it bulges out over the tank enough to require a dimple to clear the fuel filler. A three-window body also hangs over the frame by a slight, albeit definite, margin. The dash even differs—it also boasts a glove compartment. That should justify the six years they took to mull the option over. They tooled up last year and already had a big part of the car ready before the 2005 Hotrod and Restoration Trade Show at Indy.

Brookville approached the coupe body with much the same angle they used on the roadster; they disassembled a virgin three-window body (sacrificed to the gods? No, they'll reassemble it). Then they scanned, digitized, and rendered the body's dimensions in a CAD/CAM application. "We wanted to make a perfect copy," Kenny Gollahon says, "but we also wanted to be able to make parts that would fit existing factory three-window parts."

The door's forward edge maintains the handle boss and the provisions for the Ford latch mechanism. Brookville even stamped the pockets for the alignment wedges into the inner panels' leading edges.

(left) The door's top view reveals the stock window-channel depression and the extensive bulge through the body's midsection. *(right)* The stories of three-window garnish moldings fetching home down-payment prices may be over; this is an actual door window garnish molding in the flesh. Closer inspection reveals a stamped finish—these are manufactured, *not hand-fabricated*, pieces.

Yes, this is a *real* three-window decklid. Not even it shares dimensions with the five-window or roadster shape. The inner structure also mimics the original right down to the hinge and latch bosses.

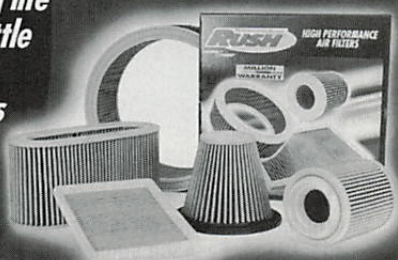


BUY IT ONCE.
FEEL THE RUSH.
REST YOUR WALLET.

Try Rush Performance Filters on your hot rod and daily driver!

- Washable/reusable for long life
- Increases HP, Improves throttle response & fuel economy
- Superior cotton gauze captures more dirt - extends engine life.

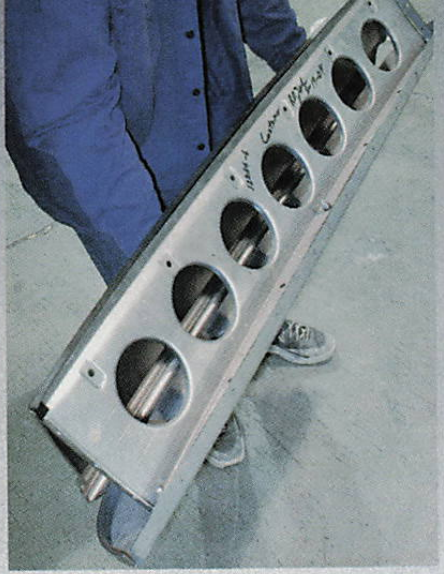
Perfect for your muscle car!



PERFORMANCE FILTERS RUSH
BARRY GRANT

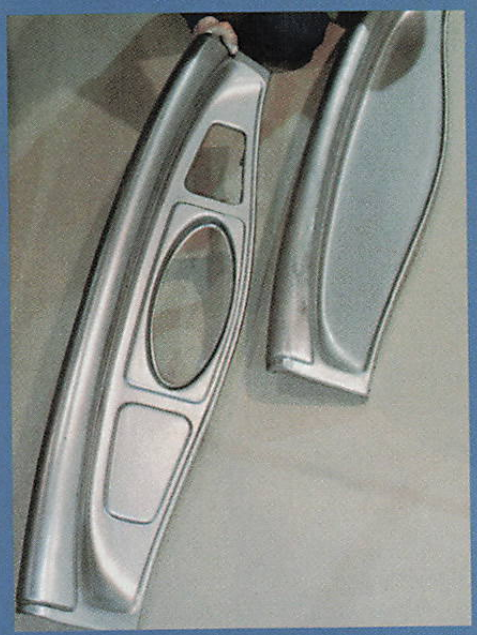
For your nearest dealer call:
(706)864-8544 www.barrygrant.com

CELEBRATING 20 YEARS! 1984-2004



Here's that strange rear apron with the dimple fuel-filler area. You Deuce three-window owners can compare this with your originals. Each panel mimics the original shape. Keep in mind that three distinct panels comprise this structure.

Even these inner trunk supports reflect the originals' shape. This attention to detail yields a body that's incredibly convincing as an original.



Need a gennie dash? Brookville offers a dead-nuts original piece along with a plain-faced piece for aftermarket gauge panels. Hey, even if you can't pony up the dough for a whole body, imagine what one of these would look like on the parlor wall.

Idle-Eze™ allows smoother transition from off-idle, avoiding potential stumble.

SPEED DEMON™

MATCH WITH A PERFORMANCE CAM

Available with mechanical or vacuum-secondaries.

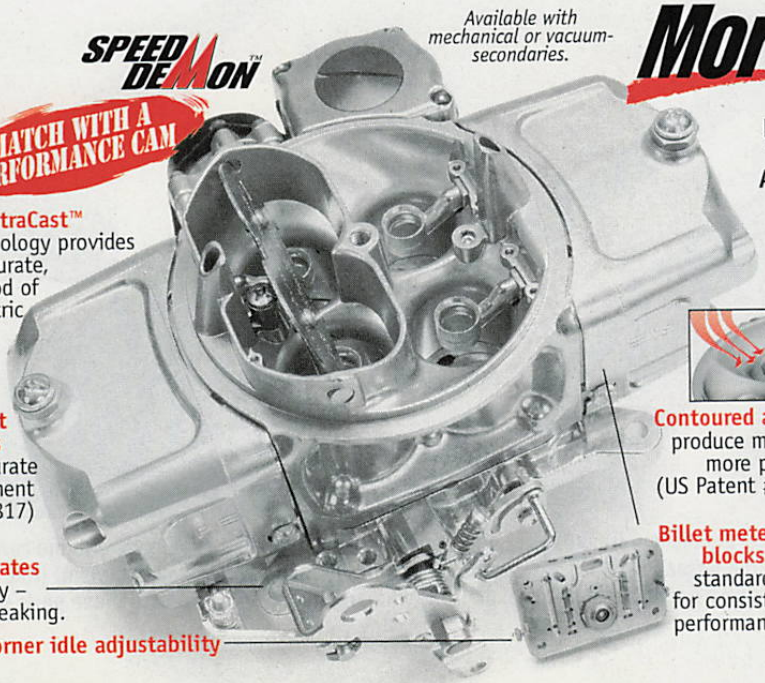
More for your money!

ConcentraCast™ die-casting technology provides the most accurate, repeatable method of producing concentric venturii without misalignment or core-shift.

Fuel bowl sight glass windows for safe, easy, accurate float-level adjustment (US Patent #6286817)

Billet baseplates for durability – resists corner breaking.

4-corner idle adjustability

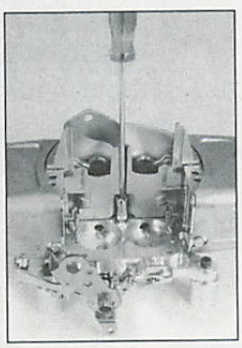


Contoured air entries produce more flow, more power (US Patent #5863470)

Billet metering blocks standard for consistent performance.

Demon™ gives you more features than any carburetor you can buy. And the Speed Demon is ideal for muscle cars, crate motors and general performance engines. No doubt, it's more carb for your money.

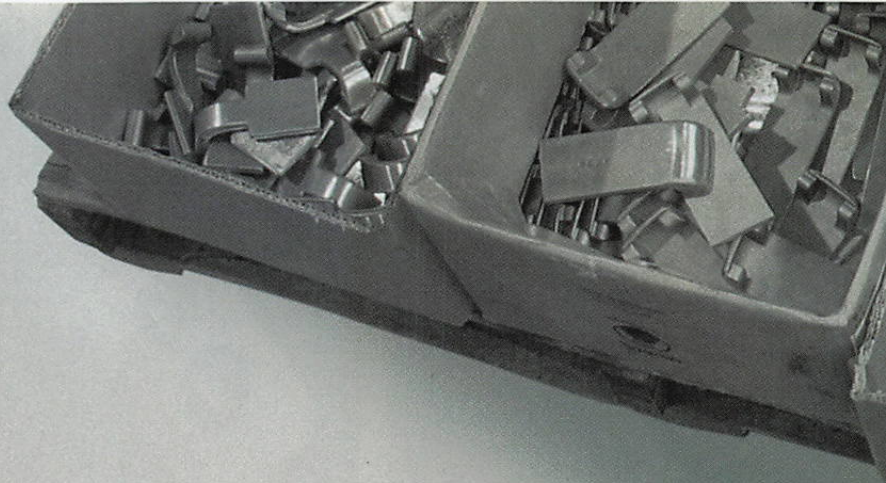
NEW! Idle-Eze™ Cutaway shows how valve is easily accessed for fine-tuning the idle speed. Especially effective on engines with performance camshafts.



Call for the dealer nearest you.
(706)864-8544
www.barrygrant.com

BARRY GRANT DEMON CARBURETION™

These are not Holley® Carburetors but exclusively manufactured by Demon Carburetion™.

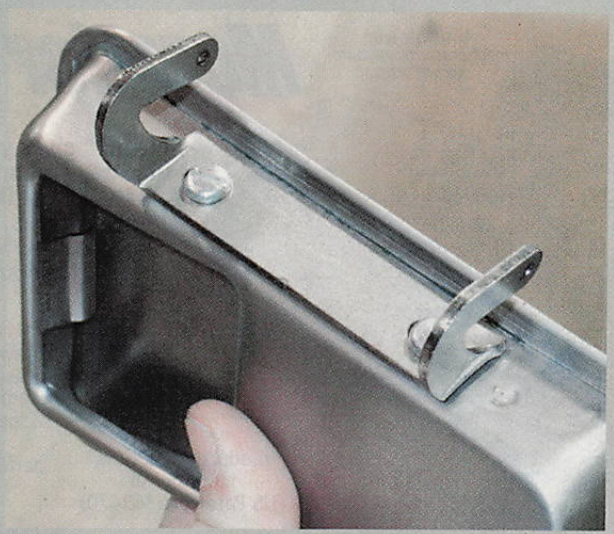


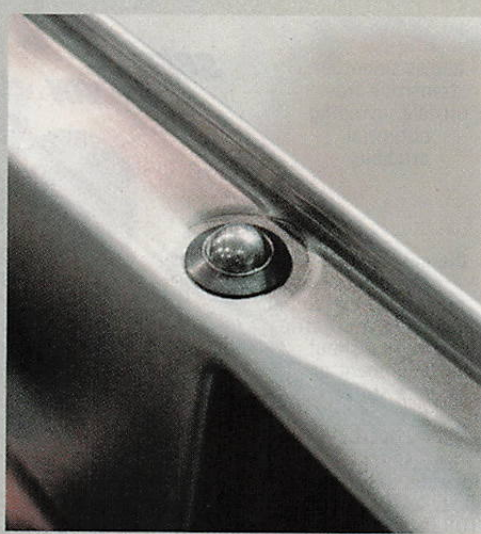
So they scanned both sides independently instead of scanning one side and inverting it for the other. Make no mistake; this body is a duplicate right down to the Depression-era intricacies. And yes, the coupe door, decklid, or quarter-panel you've yearned for will not only be available, it'll fit as Ford intended. And in case you're wondering, if you want a chopped one you'll have to lower the lid yourself; due to myriad-chop preferences and the exorbitant tooling costs, Kenny said they intend to offer stock-roof cars only. Yeah, like *that's* anything to complain about!

But talk is cheap; we have real-live photos of real-life parts awaiting assembly and shipment. So let's cut to the chase. Bring on the bodies! SR

Of course a Deuce three-window dash wouldn't be complete without a glovebox door, would it? As you may have guessed, Brookville stamps these, too. And, as you've guessed, making it requires more than one stamping.

BROOKVILLE ROADSTER
650 Albert Rd., Dept. SRM
Brookville, OH 45309
(937) 833-4605
www.brookvilleroadster.com





These three-window pieces endure close scrutiny; Brookville assembles these doors with the correct hinges and ashtray mounting bosses. On the topside note the spring-loaded ball latch mechanism. Now *that's* detail! May we extend a special thanks to Jason Duff, who graciously helped model these parts for us.

NOTHING MAGICAL BUT THE PERFORMANCE!

ROLLER AND FLAT TAPPET CAM KITS AVAILABLE FOR STREET PERFORMANCE, RACING, AND TOWING APPLICATIONS.

Xtreme Energy™ Cams

- *World's Best Selling Camshafts Deliver Huge Torque and Horsepower Increases*
- *Advanced Lobe Designs Produce More "Seat-Of-The-Pants" Acceleration And Throttle Response*
- *Available For A Variety Of Applications Including New Ford 4.6L 4v, GM LS-Series and Dodge 5.7L Hemi Engines*

CAM HELP®?
Even the best engineered products can't reach their potential, if they aren't right for your specific application. That's why COMP Cams® has the industry's only toll free tech support line staffed by our experienced valve train experts.
CAM HELP® 1.800.999.0853.

COMP Cams® K-Kits

For the ultimate in performance and durability, COMP Cams® offers component matched valve train systems called K-Kits. COMP Cams® K-Kits contain specially selected components designed to work together including valve springs, retainers and valve locks, valve stem seals, timing chain set, and assembly break in lube – everything you need to get the performance you've been dreaming about.

Engineered to Finish First.

COMP CAMS®

COMP4540

3406 Democrat Rd. • Memphis, TN 38118 • Phone: 901.795.2400
Fax: 901.366.1807 • www.compcams.com

CAM HELP® 1.800.999.0853

It's Your RIDE!

American Autowire/Factory Fit

From Street Rods To Classics

Wire it Right!

American Autowire/Factory Fit has your automotive electrical needs... from switches to complete wiring systems!

ROCK-SOLID Wiring Kits! Designed to give you trouble free systems with a level of comfort you can trust!

HIGHWAY Series

Two complete rewire systems with 15 or 22 output circuits. Modular design with compact front loading. "Over-Engineered" for your street rod, custom, or muscle car. ***The BEST and Most Versatile System in the Industry!***

American Autowire
Factory automotive wiring Fit®
We Make Wiring Easy!!

Made in USA

www.americanautowire.com
www.factoryfit.com

150 Heller Place, #17 West Bellmawr, NJ 08031-2555 FAX 856-933-0805

Flawless Attention to Detail! We back up every purchase with ***Superior Tech Support!***

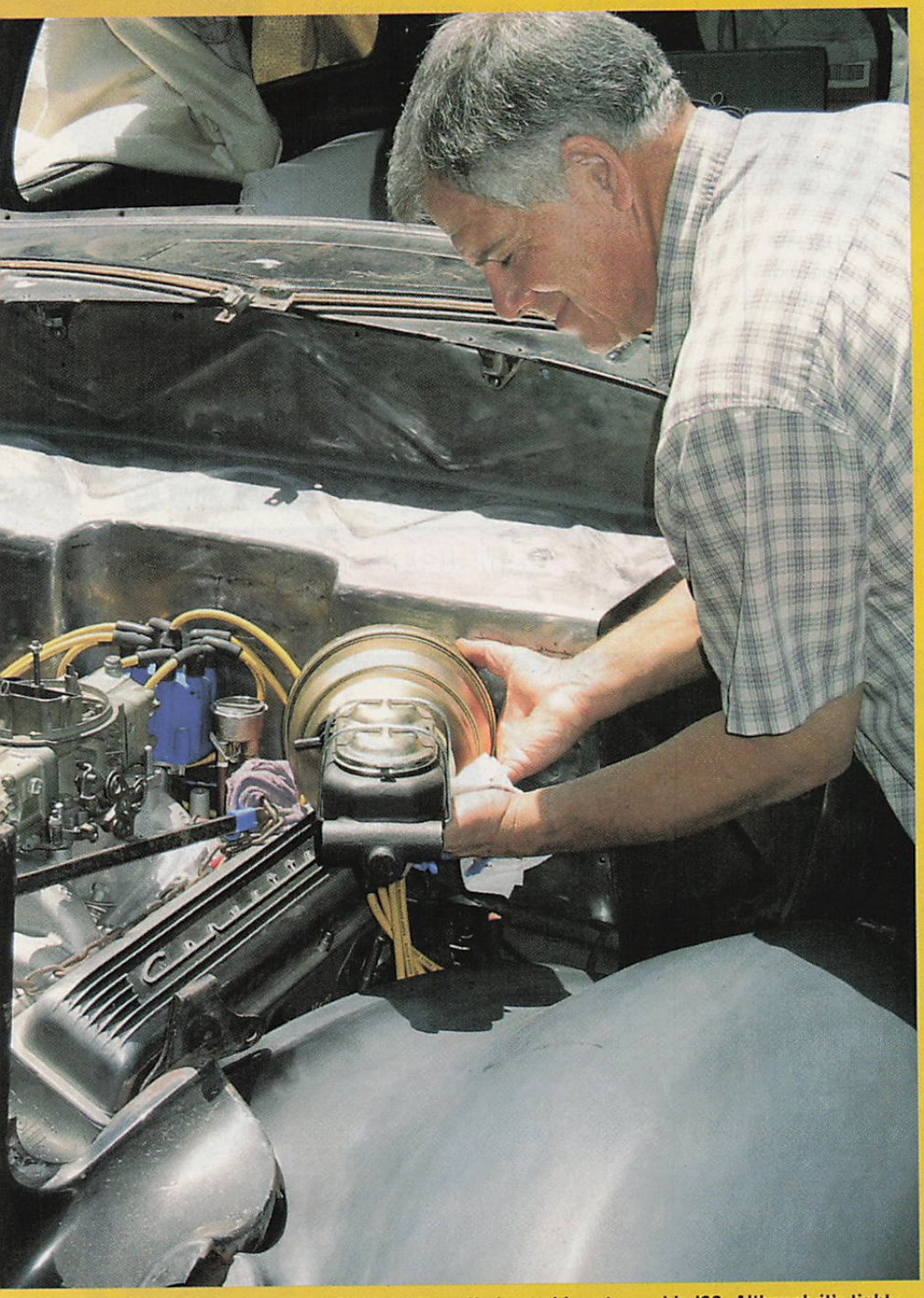
Call for your FREE Catalog and a dealer near you! **800-482-WIRE**

BY RON CERIDONO | ron.ceridono@primedia.com

tech

GETTIN' IN THE SWING

hanging pedals



Rick Carlyle does a test fit of the master cylinder and booster on his '36. Although it's tight, the rocker cover can still be removed.

Over the past couple of years we've watched as our buddy, Rick Carlyle, has worked to put his '36 four-door sedan back on the road. Rick is taking a unique approach on this car—it's being built first and foremost as a driver and as a result, access to vital components is a concern. So, when it came time to mount the brake pedal, booster, and master cylinder, Rick chose the firewall-mounted variety rather than hiding it all under the floor.

Of course there was another reason the master cylinder and booster couldn't go under the floor of this car. If the name Carlyle sounds familiar it's probably because he's the Rick who builds those nifty So-Cal Engineering lakes-style headers. And while the headers won't be poking out of the hood on this sedan, you can bet there will be plenty of space under the car dedicated to pipes.

Rather than build a pedal from scratch or modify an existing piece, Rick turned to Jerry Kugel of Kugel Komponents. Known for quality products, particularly independent front and rear suspension systems, Kugel also has a line of swing pedals; both firewall and under-dash mount. Rick chose the to use the firewall style, and while in this particular application firewall modifications were required to install them, that's usually not the case.

Swing pedals have a number of advantages, not the least of which is that you don't have to get on your hands and knees to check the brake fluid. And there are other plusses as well—there's more room under the car for exhaust and they generally provide increased foot room for the driver. That's what we call gettin' in the swing of things. SR

it's•a•Snap!

WIRE AND CABLE

A DIVISION OF TPI TECH

ULTRA Compact Power Panel

Compare us to the competition:

- New technology OEM mini fuses and relays
- Heavy Duty Dust Cover • 1.5" x 3.5" flat base
- Totally enclosed back
- Wire bundle exits one side for easy mounting
- Harness is GM color coded and labeled
- Flashers can be mounted where most audible
- Includes all connectors, terminals, shrinkwrap, and illustrated color instruction sheets for GM, Ford and Chrysler
- So small you can mount to steering column, in glove box or console

PROVEN RELIABILITY! Over 10,000 Model ZZ-20 harnesses sold in the USA!

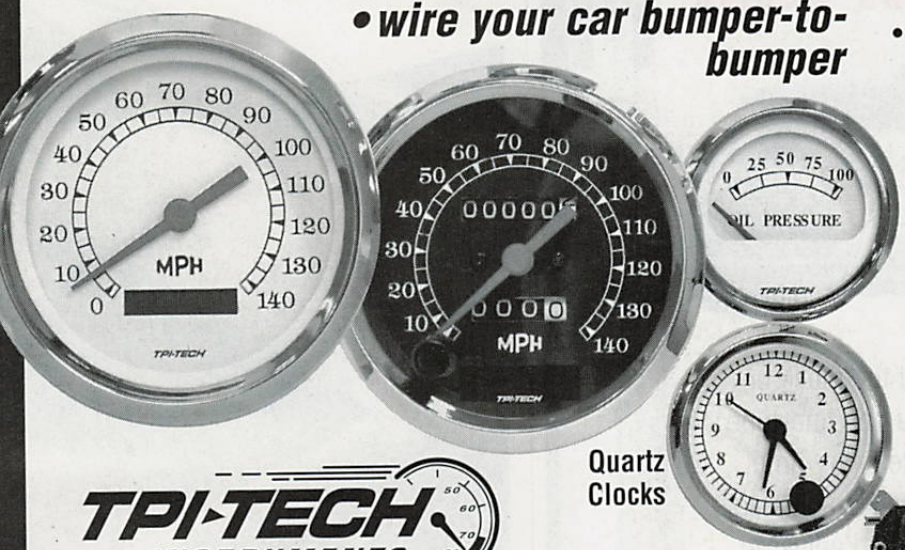
Model ZZ-12
12 fuse wire harness
$127.00

Model ZZ-20
20 fuse wire harness
special!
$128.00

NEW! Model ZZ-6 Roadster Panel
6 fuse wire harness
The ideal panel for those who want less wiring.
$125.00

•base is smaller than a pack of smokes!

•21 circuits •20 fuses •1 relay
•2 flashers •pre-wired panel
•wire your car bumper-to-bumper



Quartz Clocks

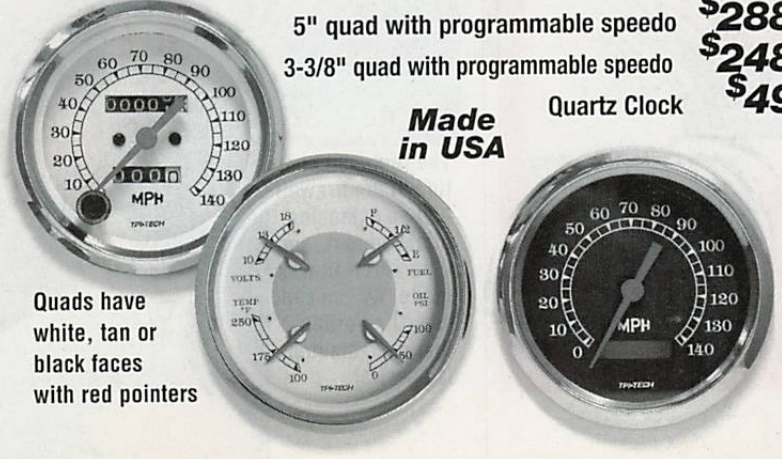
TPI-TECH INSTRUMENTS

The most advanced programmable LCD display Speedometer available

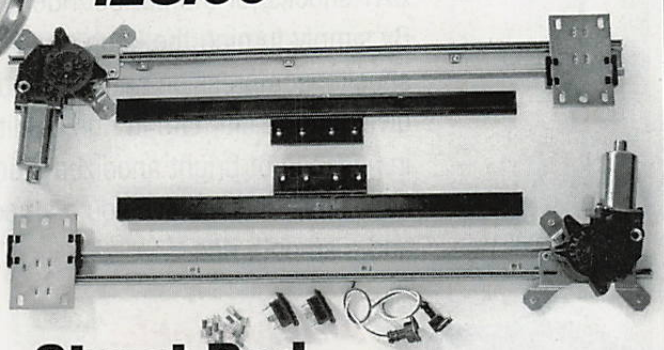
- Electronic set has programmable speedometer and trip odometer
- *LCD display can show: trip miles driven (miles or kilometers), oil change reminder or total hours traveled*
- *Remote programming switch can be mounted anywhere*
- *Easy calibration for any gear or tire size*
- Easy to read White, Black, Gold or Grey faces with red pointers
- Mechanical speedometer also has trip odometer

Five gauge mechanical	$163	Five gauge programmable	$217
Six gauge mechanical	$193	Six gauge programmable	$247
		5" quad with programmable speedo	$288
		3-3/8" quad with programmable speedo	$248
		Quartz Clock	$49

Made in USA



Quads have white, tan or black faces with red pointers



Street Rod Power Window Kit

Heavy-Duty design has large "footprint" slides on a 2" wide track for smooth, bind free, window operation.

- Extra long tracks can be easily cut to length for your car or truck.
- GM motor is integral part of track for easier mounting and reduced flexing of cable.
- Color coded Weather Pack connectors and switches

$128.00 for two doors with 2 switches
$127.00 for two doors w/o switches

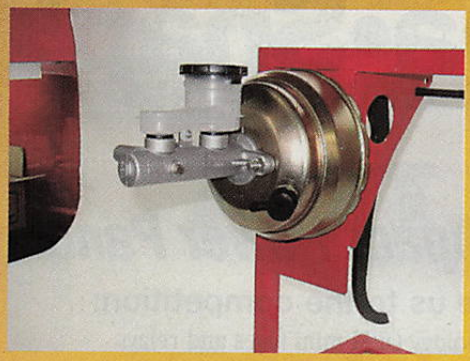
www.itsasnapwireandcable.com

Call toll free: 1-866-462-7628

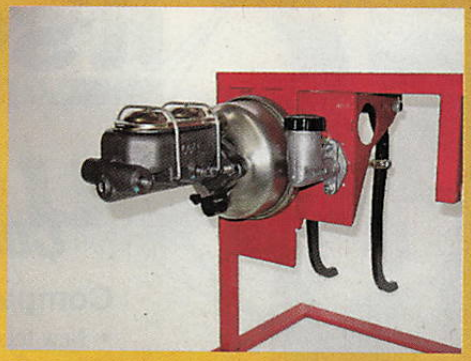
MasterCard VISA

Monday-Friday 8am. to 4pm. est.
Distributors Welcome-low buy-in!

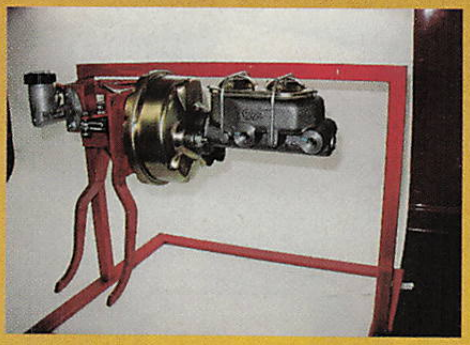
0505SR



Jerry Kugel of Kugel Komponents offers a variety of swing pedal/master cylinder combinations. This through the firewall design uses a compact aluminum master cylinder.



For those running manual transmissions, Kugel also offers assemblies with a clutch pedal and master cylinder.



A great way to leave room under the car for exhaust and keep the firewall clean at the same time is with Kugel's 90-degree pedal assemblies. As with the standard kits, these are available with and without clutch pedals.

Give your car the ride it deserves.

Whether you're driving around the block or on a long weekend cruise, you can fine-tune QA1 shocks for the perfect ride every time. By simply turning the knob on QA1 adjustable shocks, compression and rebound adjust to give you the ultimate in ride quality. Available in polished or bright anodized aluminum, QA1 adjustable shocks give you a smooth look and a smooth ride.

Also Available:

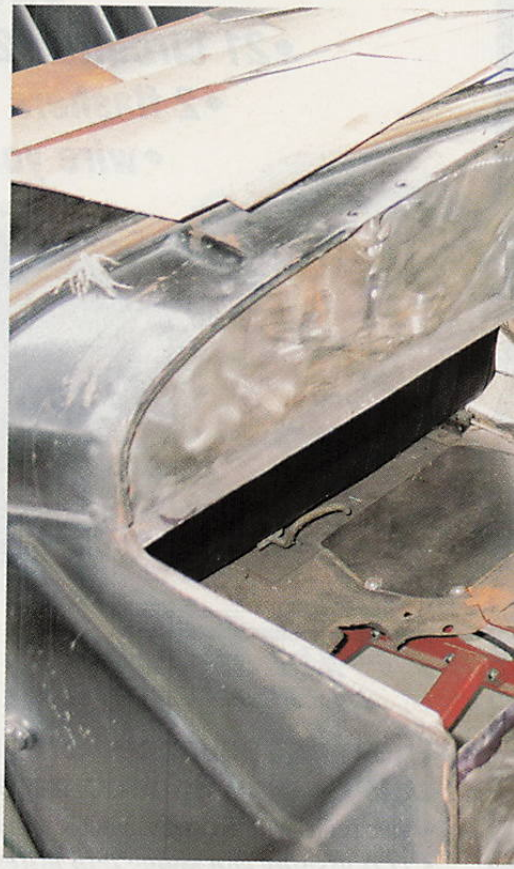
- Ride sensitive, chrome plated steel shocks
- Polished and chrome plated rod ends & springs

Call QA1 today and discover for yourself why QA1 is #1 name with the top hot rod builders in the U.S.A.

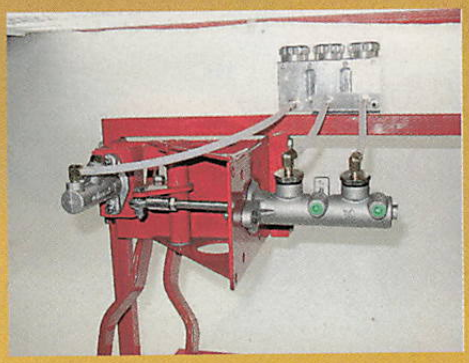
ISO 9001 CERTIFIED

orders
800.721.7761
tech line 952.985.5675
fax 952.985.5679
www.qa1.net

QA1 MOTORSPORTS
CARRERA A QA1 COMPANY

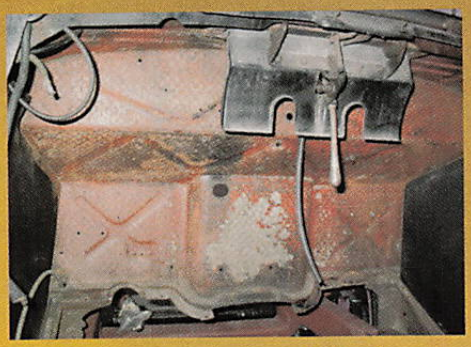


The removed portion of the firewall had an extension attached to it, and then a trial fit was made. As you can see, the portion that once slanted is now flat.



Taking the 90-degree pedal assembly one step further is this Kugel kit with remote reservoirs.

There are a number of considerations to be taken into account when mounting swing pedals. In this case, mounting the pedal to the bottom surface put the pedal too low.



Unfortunately mounting the pedal on the upper flat surface placed the pedal too low. So some surgery was in order.

Rick began the necessary modifications by cutting out the slanted portion between the upper and lower firewall.

ACCEL DFI

ENGINE MANAGEMENT SYSTEMS

DIGITAL FUEL INJECTION

DIGITAL FUEL INJECTION...

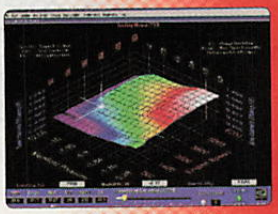
Fuel Injection Done Right!

Best equipped - software selectable fuel and ignition control
Most capable - control all standard and optional accessories
Easiest to use - simple menu driven selection with onboard diagnostics

DFI was awarded the Primedia Performance Award at the 2004 SEMA Show

"Real Time" Data Display

Engine Configuration



Editable 3D Fuel Map

For more information or to locate your local Engine Management Installation Center, visit our web site at http://www.accel-dfi.com

For ACCEL/Digital Fuel Injection Technical Service call (248) 380-2780.

Rick began tack welding the filler strip in place after taking lots of measurements to make sure everything would fit.

This shot is a good indication of what the finished firewall will look like.

Rick made a template out of heavy paper to position the pedal properly and make sure the holes were located properly.

STAINLESS SPECIALTIES #1
772-589-4190
P.O. Box 781035, Sebastian, FL 32978
Website: stainless-specialties.com

$129.00 / pr.
Rolled Oval tip
3"H x 5.5"W x 11" L

$109.00 / ea.
Wide Oval / Dual inlet tip
2.5"H x 6.5"W x 11.5"L

$159.00 / pr.
Rectangle End tip
2"H x 7.5"W x 10"L

$169.00 / pr.
Wide Oval / Angle cut tip
2.5"H x 6.5"W x 11.5"L

$169.00 / pr.
Wide Oval / Nascar cut tip
2.5"H x 6.5"W x 11.5"L

$159.00 / pr.
Wide Oval / Straight-cut tip
2.5"H x 6.5"W x 11.5"L

Call to ORDER or for a FREE CATALOG!!

Street Twin muffler
$169.00 / ea.
Overall length: 24"

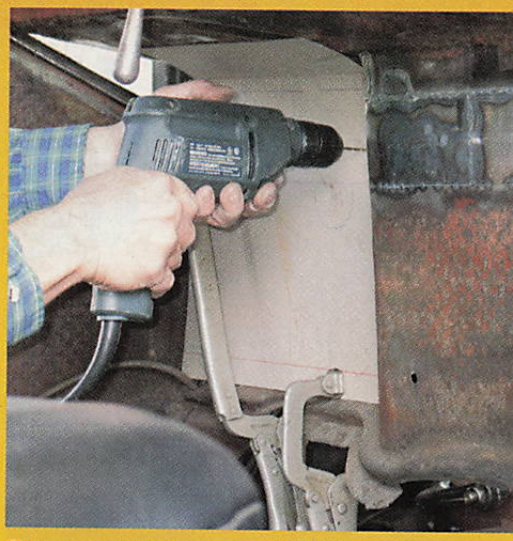
From $119.00 ea
Performaster or Turbo-Tone Muffler
Custom Lengths Available
3.5" or 4" dia. Body

Turbo-Tail 2 muffler
From $199.00 / ea.
Custom Lengths Available
3.5" or 4" dia. Body

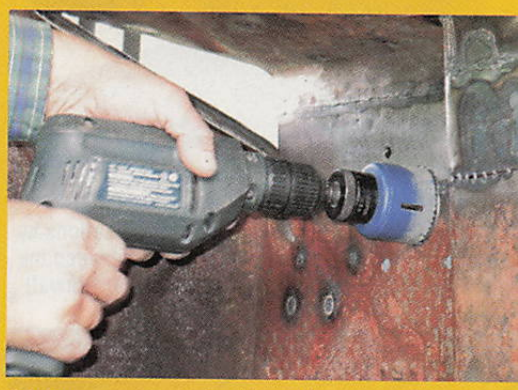
Mega-Oval muffler From $159.00 / ea.
Custom Lengths Available
SUPER THIN !!
ONLY 2.5"H x 6.5"W x 23"L

All tips & mufflers are avail. In:
1.75", 2", 2.25", 2.5" or 3" inlet / outlet.

Most components can be CUSTOMIZED to meet your needs!
We also offer tubing, hangers, clamps, flanges etc.



The mounting holes were drilled through the template.



A hole saw was required to make an opening for the boot on the booster's push rod.

The holes were all deburred with an air grinder before the booster was installed.

the original and still the best...

ECI Hot Rod Disc Brake Systems

You only have to know three things...

- ECI pioneered the first street rod disc brake kits over 20 years ago! The first Mustang II Big Brake Kit, the first Street Rod Power Brake System and the first complete line of brake kits for early Chevrolets.
- Our brakes are the safest, best performing and easiest to install you can buy!
- Every ECI product is designed as part of an integrated brake system.

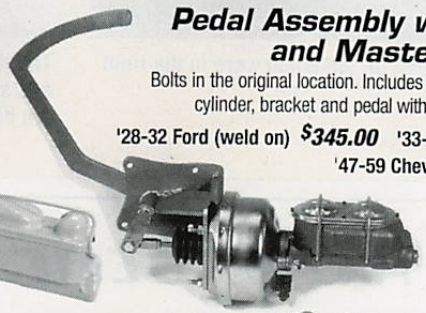
ECI Street Rod Booster

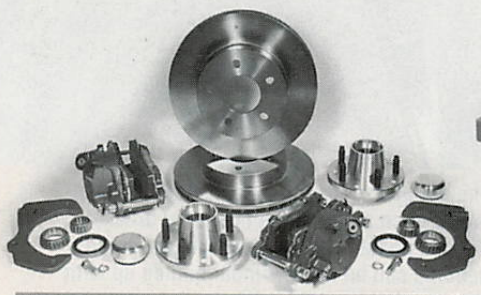
This booster has special valving and a diaphragm calibrated to give the right sensitivity for street rods. Small 7" dia. fits under the floor. Includes new Corvette dual disc/drum master cylinder. ***$275.00***

Pedal Assembly w/Booster and Master Cylinder

Bolts in the original location. Includes booster, dual master cylinder, bracket and pedal with pad and hardware.

'28-32 Ford (weld on) ***$345.00*** '33-48 Ford ***$395.00***
'47-59 Chevy Truck ***$395.00***





5" & 5-1/2" Disc Brake Conversions for Mustang II spindles

This new kit uses the original 5" Chevy or 5-1/2" Ford bolt circle wheels with 11-5/8" diameter rotors, and BIG piston GM calipers. Increase braking 70% over the stock Mustang brakes. includes aluminum hubs and dust covers, new bearings, races and seals, caliper mounting brackets, new rotors, rebuilt calipers w/ pads and mounting bolts*.

Complete kits 5" Chevy $550.00 5-1/2" Ford $525.00

**Stock MII upper caliper cradle mounting bolts are required.*

Underdash Power ***$395.00*** (7" booster)

Underdash Manual w/clutch ***$395.00***

NEW!

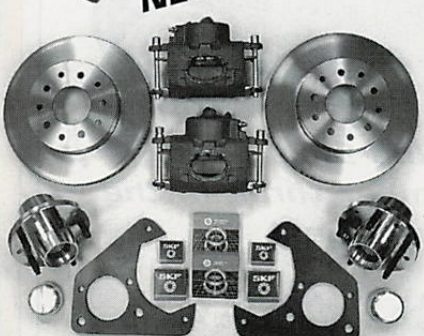
NEW Hanging Pedal Units

ECI's universal ***Firewall Mounting System*** offsets the master cyl./booster for increased engine clearance and correct pedal placement. Adjustable pedal ratio. Brake light switch and dash supports included. Available manual m/c, 7" booster or 9" booster

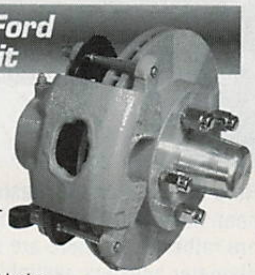
Underdash Mounting System is also available with manual m/c, 7" booster or 9" booster, remote fill system and hydraulic clutch pedal. Some fabrication required.

Underhood Power ***$395.00*** (7" booster)

NEW!



NEW '37-48 Ford bolt on disc kit



New aluminum hubs, 11 in. diameter rotors and BIG piston GM calipers for maximum braking. Outer bracket attachment allows for use on stock or aftermarket spindles, and stock or bolt-on steering arms. Get maximum braking with good looks.

4-1/2" or 4-3/4" bolt circle. ***Complete kits are $525.00***

Chrysler Bolt-On Disc Brake Kits

'37-41 & '46-54 Dodge and Plymouth Cars
'65-72 "A" Body, Dodge and Plymouth Cars
'62-69 "B" Body Dodge and Plymouth Cars

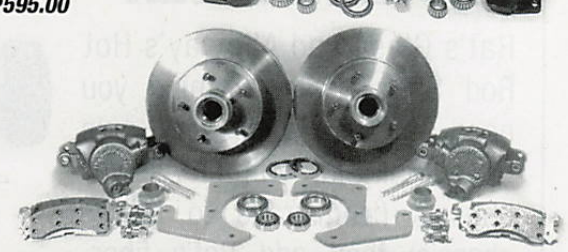
This is a true bolt-on kit that requires no machine work to the original spindle. Kit uses ECI billet hubs, 11" rotors and GM full size car calipers. ***SUPER KIT $575.00***

GM Muscle Car/Sub Frame Disc kits

Special ECI billet hubs and brackets mount 11 rotors" and big GM calipers to stock drum brake spindles.

68-74 Nova, 67-69 Camaro, 64-72 Midsize GM
$525.00

NarrowTrak
Narrows track 1- 2" for GM/street rod subframes
$595.00



5½" Bolt Circle Disc Brake kits

'37-48 Ford, 37-64 Ford 1/2 ton pickup

Uses larger late model Ford F100/F150 truck rotors with GM full size car calipers.

BASIC KIT $125.00
SUPER KIT $369.95

Mustang II "BIG" Disc Brake kits

Many kits use the smaller T-Bird or metric GM caliper. ECI uses full size GM calipers and 11" GM rotors on billet hubs. ***You get a 65% increase in braking over stock and no wheel offset!***

BASIC KIT (with hubs) $379.95
SUPER KIT $525.00

Ford & GM Disc Brake kits

These kits use full size GM calipers and GM rotors. Ford rotors are available for Ford cars and trucks. No machine work is required. Basic kits include brackets, hardware and bearing adapters where needed. Super kits also include calipers, pads, rotors, bearings, seals.

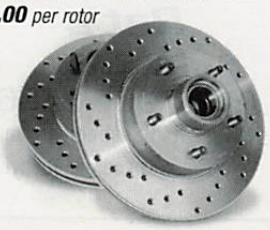
	GM Discs		FORD Discs	
	Basic	Super	Basic	Super
'37-48 Ford,	$125.00	$349.95	$125.00	$379.95
'49-53 Ford, '52-53 Merc	$140.00	$350.00	$195.00	$375.00
'48-56-F100	$125.00	$349.95	$125.00	$379.95
'74-78 Mustang	$120.00	$369.95	$150.00	$369.95
'28-54 Chevy, '28-59 Chevy P.U.	$150.00	$379.95		
'55-68 Chevy	$140.00	$389.95		
'68-74 GM Muscle Cars		$525.00		

Rear Disc Brake kits

for* 8, 8.8, 9" Ford, 10-12 bolt GM 55-64 Chevy Rears** Uses GM rear calipers with factory parking brake. Kits bolt-on without removing bearings. ***$525.00

Drilled Rotors

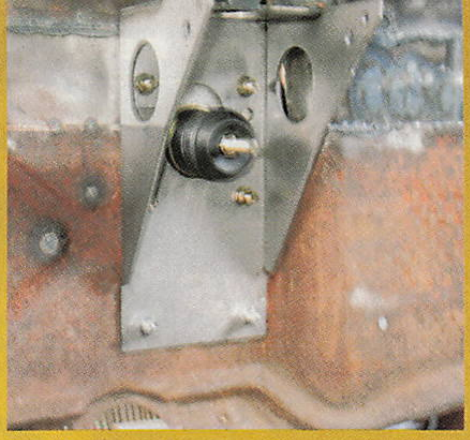
are now available with all ECI disc brake kits.
add $40.00 *per rotor*



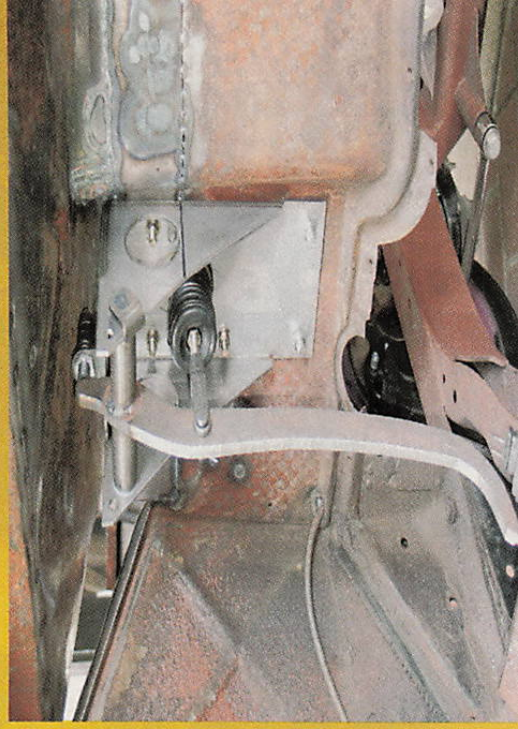
CATALOG $4.00
ENGINEERED COMPONENTS, INC
Hot Rod Brakes & Brackets
P.O. BOX 841 VERNON, CT 06066
CALL: 860-872-7046
www.ecihotrodbrakes.com

PRICES SUBJECT TO CHANGE WITHOUT NOTICE • ©2005 ENGINEERED COMPONENTS, INC

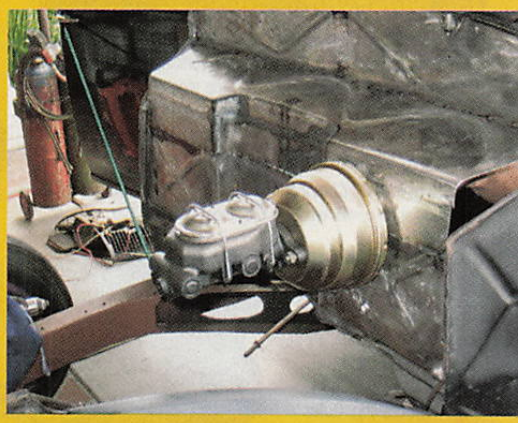
A test fit proved all the holes were in the right place.



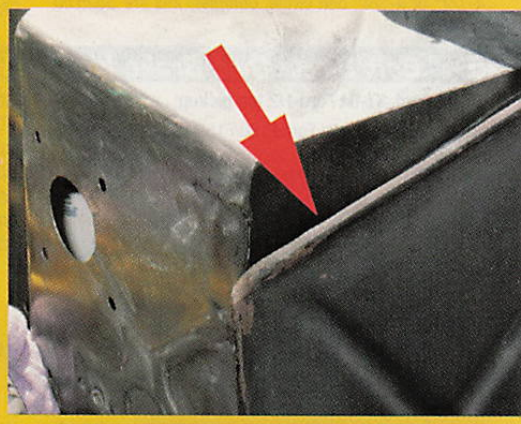
The Kugel pedal bracket slides over the booster's studs on the inside. Two addition bolts at the bottom offer additional support.



The pedal was installed next. Note the stoplight switch at the top of the pedal bracket. Kugel's pedals are long enough that some bending can be done without ending up with an unfavorable pedal ratio.



Here the booster and master cylinder have been installed. The dual diaphragm boosters are rather deep; there are shallower, larger diameter boosters available.



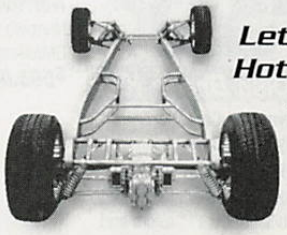
The final step in this installation was to make filler plates for the ends of the firewall.

A New Star is Born!

Rat's Glass & Alloway's Hot Rod Shop Proudly Present Victoria—number three in the immensely popular SpeedStar Series!

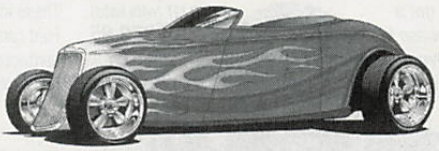
Build Your Own SpeedStar

Rat's Glass and Alloway's Hot Rod Shop has everything you need to build your very own SpeedStar. Start with an Alloway chassis (from rails to rolling chassis) then add Rat's fiberglass body. Choose from '32 & '33 3-window coupes, our original '32 & '33 roadsters, and our *NEW* SpeedStar Victoria! Nobody knows street rods better than we do! Call us now for all the details, and start your own SpeedStar project today!



Let Alloway's Hot Rod Shop Build Your Chassis!

Alloway's Hot Rod Shop can build a custom chassis for any vehicle you can imagine from rails to rolling chassis.



Original SpeedStar Roadster

Start your street rod project with a **Rat's Glass** SpeedStar Roadster. Coupe or the new Victoria!

(SpeedStar Couple Not Shown)

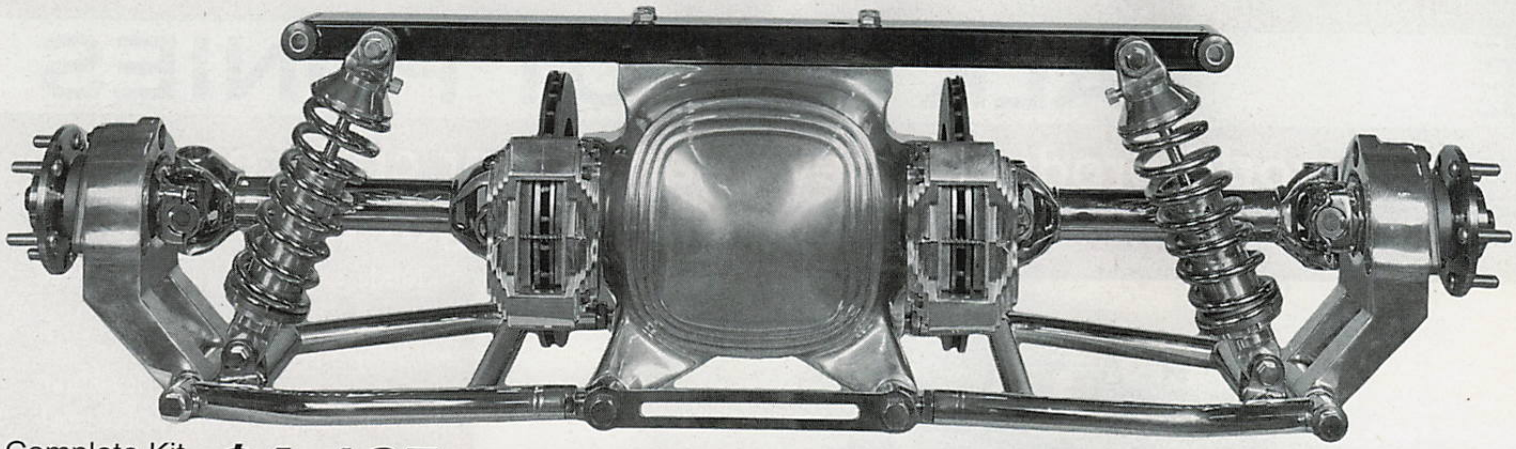
Alloway's Hot Rod Shop
(865) 977-9140
Builder of 2003 America's Most Beautiful Roadster!

HUNTERS Custom Automotive
(615) 227-6589
www.hunterscustomauto.com

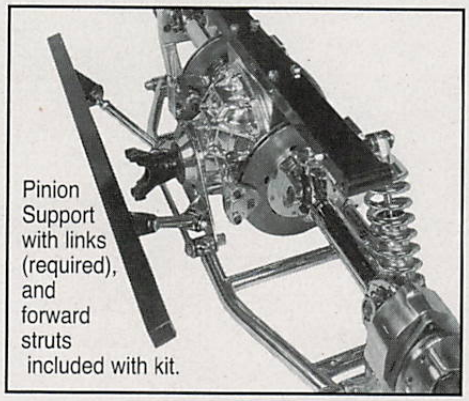
Rat's Glass
(865) 995-2756
www.ratsglassbodies.com
Start Your SpeedStar Today!

KUGEL KOMPONENTS
451 Park Industrial Dr., Dept. SRM
La Habra, CA 00631
(562) 691-7006
www.kugelkomponents.com

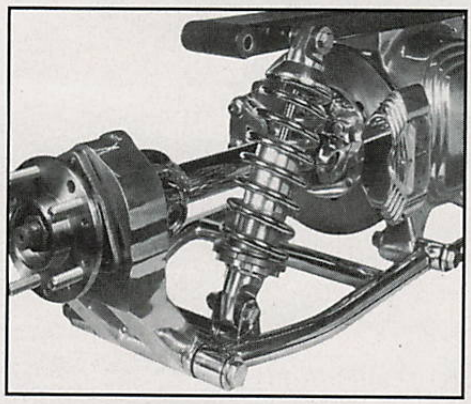
HEIDT'S SUPERIDE™ IRS

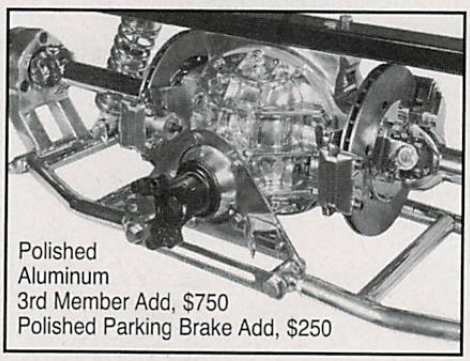


Complete Kit Starting at **$4,195**



Pinion Support with links (required), and forward struts included with kit.





Polished Aluminum 3rd Member Add, $750
Polished Parking Brake Add, $250

Key Code: SR0704

HERE'S WHAT YOU GET IN OUR KITS

Cast aluminum alloy center housing and outer uprights, 9" third member with your choice of gears, steel halfshafts assembled with inner flanges and outer yokes including 1350 heavy duty U-joints, new forged inner stub axles with bearings and seals, Wilwood rotors and polished calipers, aluminum caliper plates. Corvette outer bearing assemblies and flanges, tubular lower control arms with adjusters, Aldan billet coil-overs with chrome springs, urethane bushed upper crossmember with outer mounting brackets, pinion support crossmember with urethane bushed links. Forward struts with urethane bushed ends are also included.

HERE IS WHAT IS INCLUDED FREE IN HEIDT'S BASIC IRS UNIT!

	VALUE
Chrome springs	$60
Billet Coil-overs	$110
Performance Gears	$260
Pinion Support (required) & Forward Struts	$300
Polished Calipers	$120
VALUE RECEIVED	**FREE** $850

CHROME HALF SHAFT PACKAGE

Chrome Half Shafts, Inner Flanges, Outer Axle Yokes and U-Joint Straps
Polished Rotor Mounting Plates
Polished Caliper Mounting Plates
Polished Billet Coil-Overs $690

POLISHED STAINLESS TUBULAR LOWER ARM PACKAGE

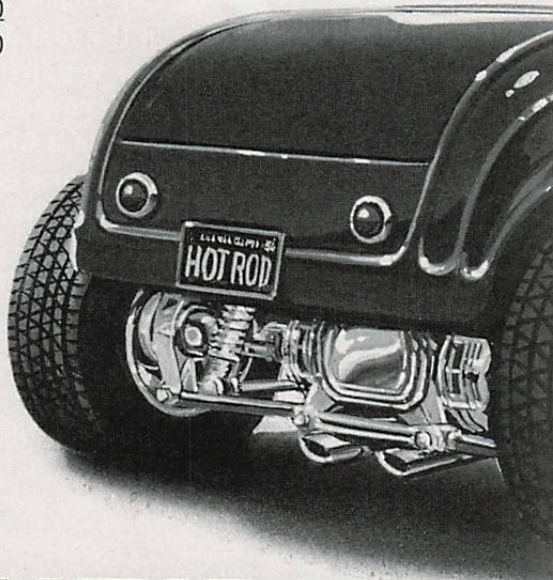
Polished Stainless Lower Arms with Polished Adjusters and Polished Stainless Tie Bars
Polished Center Housing
Polished Outer Uprights
Polished Stainless Full Hardware $1,190

OPTION and UPGRADE PRICES

Polished Aluminum 3rd Member	$750
Positraction	$400
Polished Stainless Pinion Support	$225
Billet Pinion Support	call
Polished Billet Pinion Support	call
Billet Dual Coil-overs	$420
Polished Billet Dual Coil-overs	$500
Parking Brake Kit (polished)	$250
Polished Billet Pinion Yoke	$200
Chrome Outer Bearing Assemblies	$250
Ford Bolt Pattern	$120
Chrome U-Joint Centers	$120
Polished Stainless Forward Struts	$149
Polished Caliper Covers	$99

POLISHED BILLET ALUMINUM LOWER ARM PACKAGE

Polished Billet Lower Arms with Polished Adjusters and Polished Billet Tie Bars
Polished Center Housing
Polished Outer Uprights
Polished Stainless Full Hardware $1,890



CALL FOR FREE CATALOG...
TO ORDER: 1-800-841-8188
TECH LINE: 1-847-487-0150
VISA MasterCard DISCOVER
www.heidts.com

HEIDT'S

111 KERRY LANE, WAUCONDA, IL 60084 Hot Rod Shop, Inc.

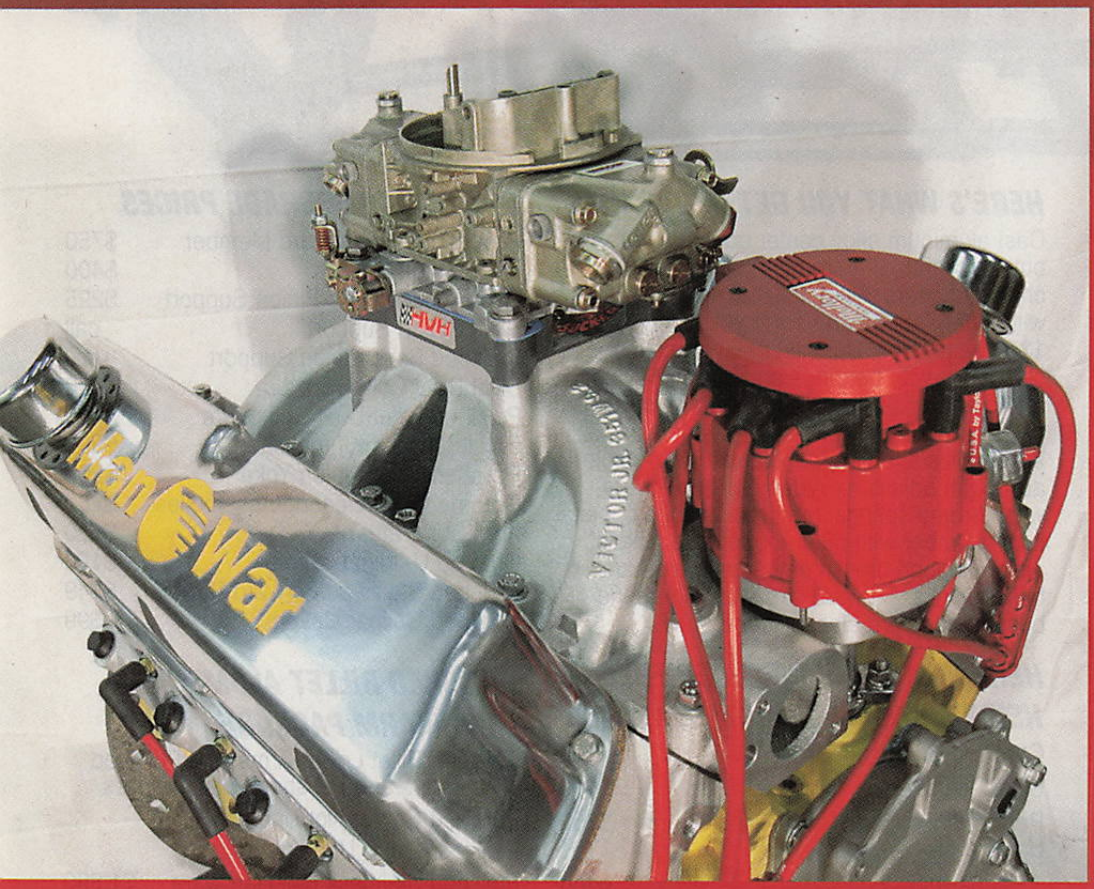
© 2004, HEIDT'S HOT ROD SHOP, INC.

BY BARRY KLUCZYK

tech

TALK ABOUT PONIES

world products' new man o' war crate engines give strength to ford fans



Crate engine proliferation has expanded in the last decade like casinos along Las Vegas' infamous strip—it seems there's a new one every month. But unless you're in the market for a Chevy engine, you might just feel like you're stuck at a third-rate gambling hall that doesn't even offer a cheap prime rib.

Bill Mitchell, the man behind Long Island, New York's World Products, has been one of the primary contributors to the Chevy-based crate engine craze. His Motown small-blocks and Merlin big-blocks have found homes in countless street and race cars, but now he's out to provide some balance for the Blue Oval side.

Recently, World Products started producing their own Ford-style engine block based on the 302/351 small-block Windsor. It's called the Man O' War. As with the Motown and Merlin blocks, the new Man O' War is virtually indistinguishable from an original Ford block on the outside. Every stock accessory, whether oil filter or intake manifold, bolts up as if it were Ford's own casting.

Inside, however, the block is beefed up with thicker front and rear bulkheads and more iron in strategic areas of the cylinder banks. It all adds about 60 lbs over a comparable stock Ford 302 block, but virtually eliminates the chance for cracking that is prevalent in high-output, modified 302s. It also comes with splayed four-bolt mains.

Not too long after the sand was knocked from the first Man O' War block casting, Mitchell got to work developing crate engine packages—World Products also produces Windsor Jr. iron and Windsor Light aluminum cylinder heads. It was a brave new world for someone who admits to being a little behind the curve on Ford stuff.

"They look backwards," Mitchell jokes, in reference to the front-mount distributor of the Windsor engines. "Actually, it's smart to have the distributor up front—it makes more sense to drive it and the oil pump up there."

Mitchell called on NASCAR engine experts to help redesign the engine block. It comes in four deck heights—302 and 351 versions—as well as a unique 302 C model that has the offset oil pump/distributor mounting of the 351 engine, which allows for a larger-displacement 302 engine.

Other parts, such as intake manifolds, are sourced from other aftermarket companies. World, however, is working to produce its own line of intakes.

MILD, MEDIUM & CALIENTE

With his Man O' War parts corralled in New York, Mitchell developed numerous crate engines based on the World Products' five-stage hierarchy of power/affordability. The stages include Daily Driver, Cruiser, World Class, Hardcore, and Limited Edition—the distinguishing features of each being power and price. Iron cylinder heads are the norm across the board, with aluminum heads optional. The exception is the take-no-prisoners Limited Edition, which has all the best in dollar-intensive hardware.

GOODGUYS

Rod & Custom Association

16th GREAT LAKES NATIONALS

Presented by OPTIMA BATTERIES

DODGE

AUG. 12•13•14

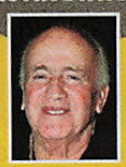
Waukesha County Expo Center
Waukesha, WI

SEE 1,000's of RODS, CUSTOMS, CLASSICS, MUSCLE CARS & TRICK TRUCKS THRU '72

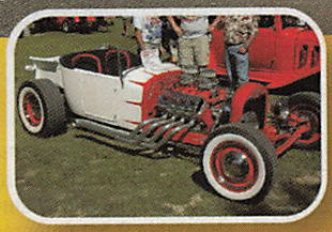
Vendors/Exhibitors - Model & Pedal Car Show - Swap Meet
Cars 4 Sale Corral - Goodgals Gallery - Kids Play Area

19th Havoline WEST COAST NATIONALS

Meet Hot Rod Hero!



Andy Brizio "The Rodfather"



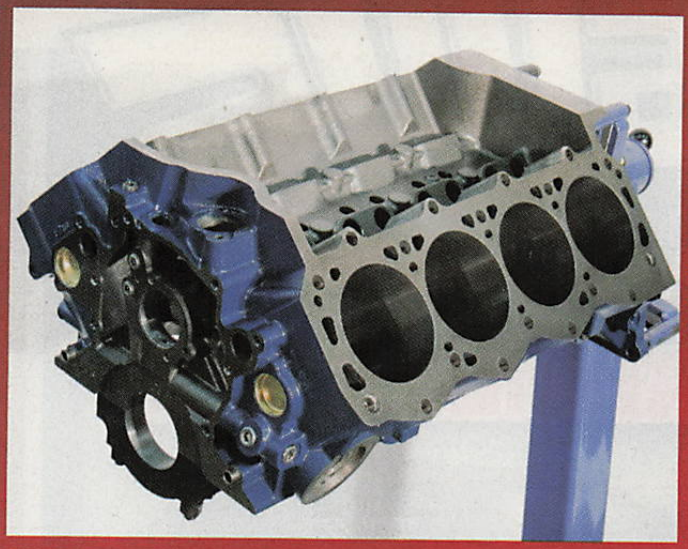
AUGUST 26•27•28

Fairgrounds • Pleasanton
Pleasanton, CA

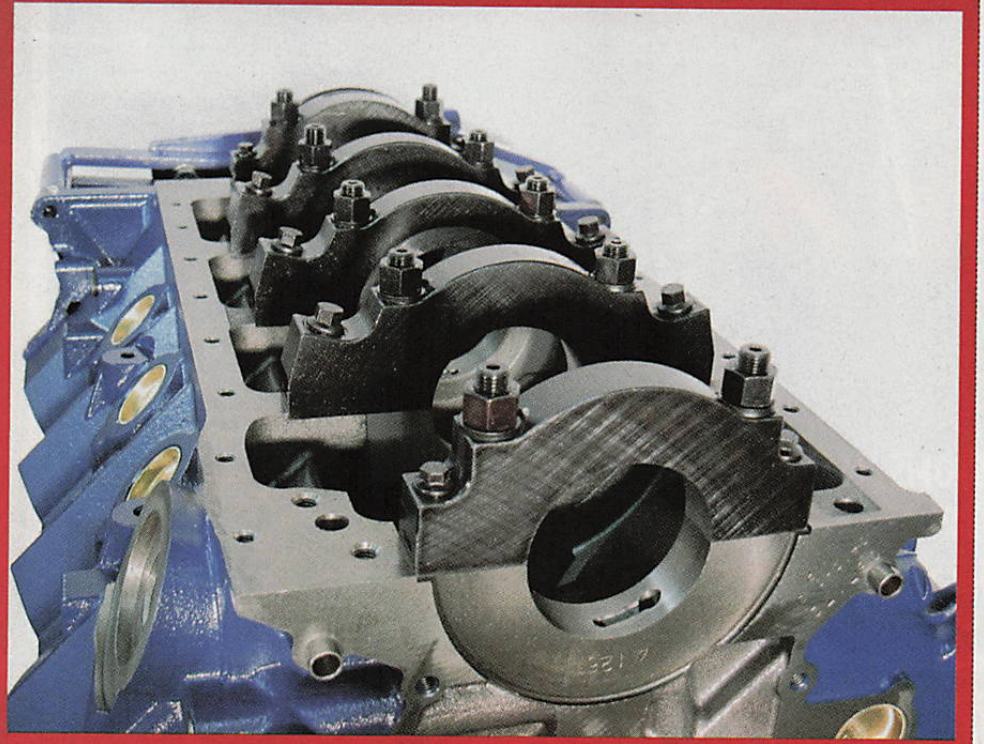
OVER 3,500 RODS, CUSTOMS & CLASSICS THRU '54

Indoor Show & Giant Outdoor Show'n Shine
Vendors/Exhibitors - Goodgals Gallery
Swap Meet & Cars 4 Sale Corral - Kids Alley
Toy Town USA & Model Car Show

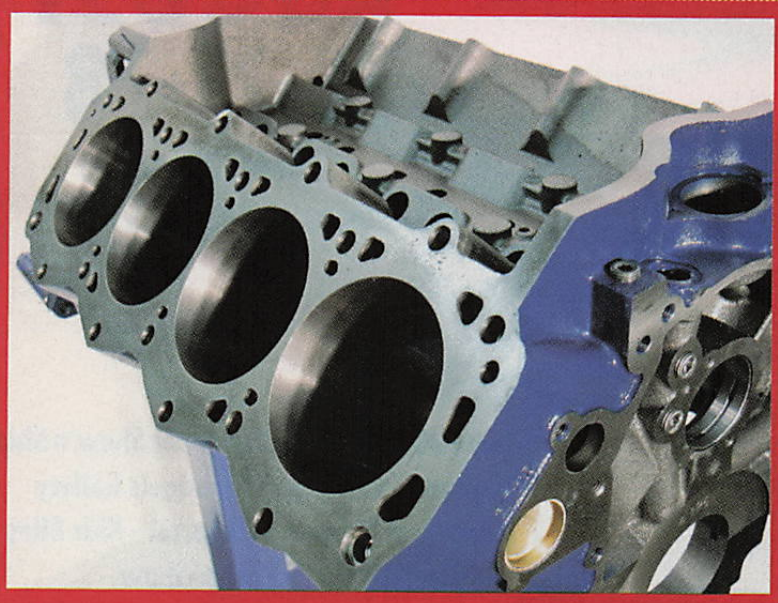
Register Today: 925.838.9876 • www.good-guys.com • Goodguys, P.O. Box 9132, Pleasanton, CA 94566



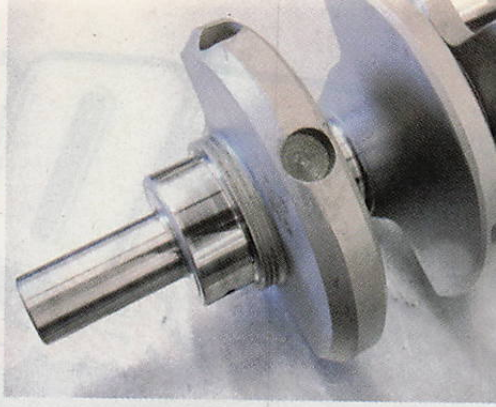
The new Man O' War block is the foundation for World Products' new Blue Oval offerings. Available in 302- and 351-style configurations, it is thicker and sturdier in key areas than Ford's own blocks. This makes the block stronger and capable of supporting such a large-displacement combination.



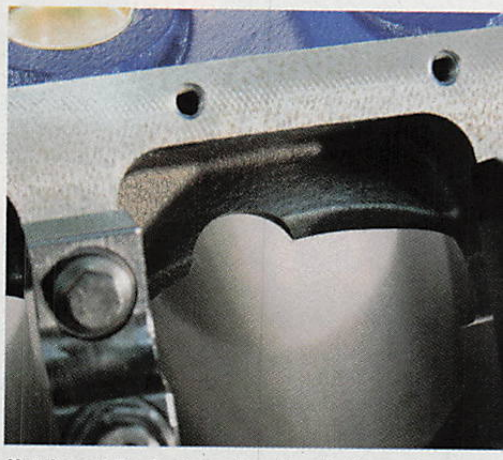
All Man O' War blocks have splayed four-bolt main caps. The main caps are billet steel and the fasteners for the inner bolts consist of studs and nuts. This makes a stud girdle unnecessary, while contributing greatly to the block's overall strength.



There are four deck heights available with the Man O' War block, with a 9.500-inch tall-deck 351-style block serving as the base for our 427ci buildup. Short-deck 302-style blocks have a maximum displacement of 375 ci. The bores on our 427 measure 4.125 inches.

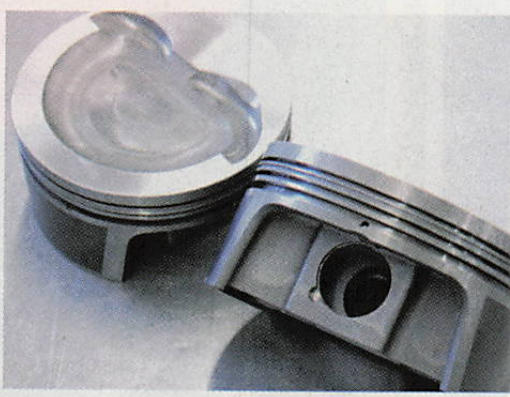


Regardless of the engine series—whether Daily Driver, World Class, or Limited Edition—every Man O' War engine is equipped with a 4340-forged crankshaft from Eagle. With the 427-inch combo, the stroke is 4.000 inches.



Notches at the bottom of each cylinder make room for rods on long-stroke combinations like our World Class 427. The notches are built into every Man O' War block.

Like the crankshaft, every Man O' War engine series comes with forged H-beam connecting rods, such as this Eagle piece used in our 427 project engine.



Pistons are forged aluminum parts from Mahle and feature friction-reducing skirt coatings. The sturdy slugs help provide a very streetable 9.5:1 compression ratio on the World Class 427.

Southern Air

THE WORLD'S LEADING MANUFACTURER OF AIR CONDITIONING AND HEATING COMPONENTS.
WE'RE THE ONES THE REST COPY!

MADE IN USA

Orders Only:
(800) STRTROD
Tech Line: (864) 848-0601
Fax Orders To: (864) 801-0601

All Prices Plus Freight • We Ship U.P.S. Daily
Prices Subject To Change Without Notice

WORLD'S 1ST EVER ALL Electric "No Vacumn"
MAXI III A/C-Heat-Defrost-Floor Heat World's 1st A/C Unit with 4-Way Electric Water Shut-off
Measures 24.5" X 10" X 10"
Unit only with controls, hoses and vents **$429.00**
Complete Kit From A To Z **$829.00**

the ORIGINAL

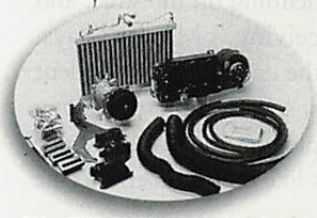
NEW

Water Valve
Converts any A/C Heat Kit to full adjustable electric water valve in minutes. Southern Air has the only 4-way water shut-off in the industry.
Complete with harness & switches **$119.00**

Southern Air Hot Rod Heater
7" all metal with 2-speed fan and 3 working doors.
Pt# 841H... **$109.95**

(Lighter plug not included)

New Electric Heater
All Electric Heater. 3" x 6" will plug into lighter or wire direct. This unit is really trick!
Pt# 840HE..... **$79.95**

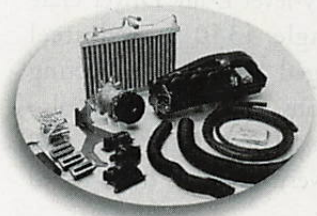


ALL NEW! MAXI I—World's Only A/C Unit w/4-Way Electric Water Shut-off
Measures 8 1/4" X 18 1/4"-8" depth
Unit only with controls, hoses and vents **$339.00**
Complete Kit From A To Z, **$739.00**

Southern Air Upgrade

Chrome Drier with Billet Bracket	**$50.00** with kit
Polished Compressor	**$50.00**
Chrome Compressor	**$89.00**
Alternator Mounting Kit	**$70.00**
Billet Slide Control	**$69.00**
Southern Air Polished Stainless A/C & Alternator Brackets	**$135.00** extra
Billet A/C & Alternator Brackets	**$135.00** extra
Billet Compressor Snout Cover with or without Holes	**$35.00**
Chrome Drier with Binary Switch and Billet Bracket	**$60.00** extra

**Upgrade prices above are applicable only when A/C kits are purchased.*



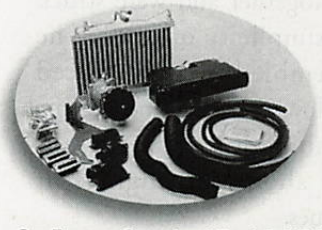
ALL NEW! MAXI II Our High Performance Model
Measures 9 1/2" X 23"-7 3/4" depth
Unit only with controls, hoses and vents **$359.00**
Complete Kit From A To Z, **$759.00**

Order On-Line and Save $$$ in Shipping @ www.southernrods.com

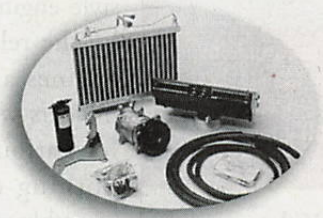
New Oval Billet Control for Maxi Kooler.. $129.00

Wrap-A-Round Polished Compressor Hardlines
Simply crimp on and go.
$35.00 *pr., w/134A Service Ports*
$29.95 *pr., w/o Service Ports*

NEW!



Our Famous Superfrost Heat & A/C Unit
Temp. & fan controls, all dash vents & hoses, Street Rod condenser, new compressor, compressor engine mounting bracket, unit mounting brackets, drain hoses, barrier hose kit, all fittings & drier—Everything you need!
Complete Kit from A to Z **$635.00**
A/C & Heat Unit w/ducts & vents **$205.00**



Southern Air Econo Kooler
Econo Kooler underdash unit–Heat & A/C, New 508 Compressor, Compressor Mounting Bracket (Alan Grove), Hose Kit with Drier & Fittings, Condenser, Heat Control Valve with Cable Heat & A/C—Everything you need!
Complete Kit from A to Z **$609.00**
A/C Kit only **$589.00** • *A/C Unit only* **$189.95**
Heat and A/C unit **$205.00**

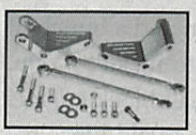
Southern Air Trim Line Air Unit
A sleek new Hi-Output unit that will cool a nice size sedan. An easy to install unit if you already have heat. Great for pick-ups.Any year or model. For heat add **$30.00.** *Front is 25 1/2" x 11" deep, rear is 16". Inside unit and hardware only*
Complete Kit from A to Z **$609.00**
A/C Kit only **$599.00** • *A/C Unit only* **$189.00**
Heat and A/C unit **$205.00**

Griffin RADIATOR SPECIALS

Big 1.25 Tube Radiators
Not just a statement but a fact...we are the "Worlds Largest Griffin Radiator Passenger Car Dealer". If you want the best call us! Custom aluminum radiators in stock & ready to ship. Don't be fooled by small tube radiator ads w/trans cooler.
'32 Ford & Most Street Rod Radiators
1.25 Big Tube Street Rod Style Radiator **$494.00**
Tri-5 Chevy 1.25 Tube Radiator **$399.95**
'67-'99 Camaro 1.0 Tube Radiator **$379.95**
With our A/C Aluminum Condensor ..... *add* **$65.00**

Southern Rods Own A/C & Alternator Brackets
Polished Stainless. Fits T.P.I. 2-fours and 3-twos, small blowers or single carb. No holes in head required. Mounts to intake and water pump. Serpentine or V-Belt. (#525055)
SB Chev. Short Pump **$199.00**
SB Chev. Long Pump **$209.00**

Aluminum A/C Alt. Brackets
Polished and ball-milled. Bolts to heads. Some drilling or tapping may be required.
A/C – **$52.50**
Alt. – **$52.50**
Short Pump only **$190.00**
(Long Pump slightly more) **$180.00**
Brushed



Pair - **$104.00**
Bars (pairs) - **$ 86.00**

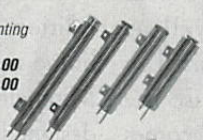
Southern Rods Billet Slide Control Kit
Works well with ours and our competitions A/C, Heat Units. Kit comes with billet control panel, control cable with accessories and wiring harness.
Complete Kit..... **$95.00**
Up-Grade On All Units..... **$69.00**

Southern Air Billet Aluminum A/C & Alternator Brackets
Short Pump - SB Chev. **$159.00**
Short Pump - Polished **$179.95**
Long Pump - SB Chev. **$159.95**
Long Pump - Polished **$179.95**
Bolts to water pump and intake.

45º Or Straight Water Neck
Designed for all GM S/B & B/B applications, comes standard with O-ring and mounting hardware. Swivels 360º. 90º also available.
Water Neck **$28.00**

Fan Thermostat Switch
Water temp. operated, adjustable switch, screws into radiator drain cock. Operates all Electric Fans. **$21.50**
Billet Knob & Cover.... **$10.50**

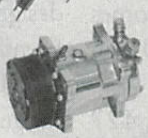
New Stainless Steel Overflow Tanks
Each unit comes with mounting hardware & instructions.
3" X 10" Over Flow ... **$65.00**
13" Over Flow..... **$40.00**
15" Over Flow **$42.00**
17" Over Flow **$43.00**
19" Over Flow **$44.00**



Hoses & Driers
Hoses for 134A or R-12 Compressors. Complete kits available, including barrier hose, crimped on collars & fittings, driers and hardware.
Kit w/o Drier **$75.00**
Kit w/Painted Drier **$85.00**
With Pol./Ch.Drier & Billet Bracket **$130.00**
With Plain Drier w/Binary Switch Add` **$25.00**
With Pol. Drier w/Binary Switch Add` **$25.00**

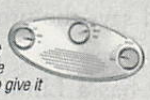
Custom "O" Ring Aluminum Bulkhead Kits
So Rods Bulkhead Kits come complete with all fittings, hardware and instructions ready for installation. No chasing parts. Also available in straight or 90º fittings.
4-Way Kit Complete w/Fittings **$89.95**
4-Way Bulkhead Only **$59.95**
2-Way Kit Complete w/Fittings **$49.95**
2-Way Bulkhead Only **29.95**

Compressors
These units are new and not rebuilt. Available with V-belt or serpentine pulley. In plain, polished or chrome finish.
Plain, 134A or R-12 ..... **$175.00**
Polished **$219.95**
Chrome **$259.95**
Polished Snout cover **$35.00**



Super Fan Special
These are the same hi-performance fans we've always sold. A large stock purchase allows us to offer these fans at super savings. Fans come complete with all necessary mounting hardware. Made In U.S.A.
16" S-Blade, Brute 2700 CFM **$75.00**
14" S-Blade, Brute 1900 CFM **$55.00**
12" S-Blade, Brute 1200 CFM **$50.00**
10" S-Blade, Brute 1000 CFM **$40.00**
16" Slimline Straight Blade 2100 CFM **$62.50**
16" Spal Hi-Pro S-Blade **$129.00**

Art Deco Control Panel
We have a way cool A/C, Heat Control panel available. This unit is a is guaranteed to enhance the look of your A/C control panel to give it the look of the 40's.
Deco Control Panel **$129.95**
Up-Grade For Existing Control Panel **$99.95**



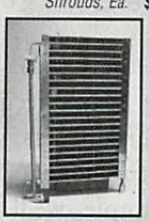
Exclusive Southern Rods
Aluminum A/C Drier with Hi-Lo (Binary) switch built in as a standard feature.
Plain Drier & Switch..... **$35.00**
Plain Drier can be included in hose kit for an additional (w/Binary Switch).. **$25.00**
Pol. Drier can be included in hose kit for an additional (w/Binary Switch).. **$60.00**
New Chrome (w/Bracket & Switch)..... **$65.00**

Southern Air Universal Chrome Fan Shroud
Fits all cars. Includes mounting Hardware.
Shroud **$25.00**

New Flexlite Stainless Steel Fan
16" and 17" With Chrome Center **$59.95**

Walker RADIATOR WORKS INC. Call For The Best Walker Radiator Prices In The U.S.A.

Street Rod Shrouds
When running a S/B or B/B in your street rod, you will want to make sure your ride keeps it cool, we manufacture high quality shrouds to fit '28 thru '48 cars & trucks, '55-'57 Chevy's plus much more. Call for applications.
Shrouds, Ea. **$55.00**

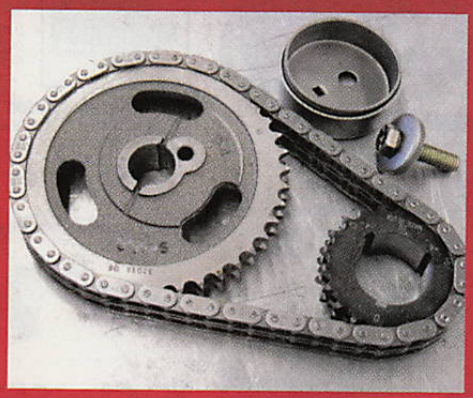


Super Frost Condenser
Available with removable hard lines on condenser. CAll for sizes. All are power coated and can be used with the 134A and R-12 refrigerant. Comes complete with all necessary hardware and instructions for easy installation.
Condenser..... **$65.00**

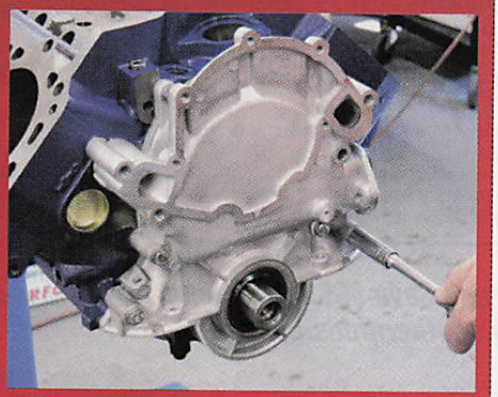
Parallel Flow
State-of-the-Art Cooling
$75.00
In different sizes

Remote Condenser/Fan Combo
Ideal for the vehicle with no room in the radiator shell. This combo is the answer for tight spaces. Comes with condenser, 10" "S" blade fan, 12" X 7" Shroud and hardware
Combo **$135.00**

Daily Driver, Cruiser, and World Class series engines receive a hydraulic camshaft, like the one shown here. Hardcore series engines receive a solid lifter cam, while the Limited Edition engines get a solid roller camshaft. Although we couldn't pry the lobe specs out of World Products, we were told the custom-grind cams are designed for street-friendly idle quality, while still delivering a noteworthy lope and high-rpm performance.



Timing sets for all Man O' War engines include a double-row chain, a custom timing set built to World Products' specs.



Installation of an off-the-shelf Ford front cover illustrates the adaptability of the Man O' War block design. All standard Ford small-block components and accessories bolt up to the block as if it were an OE block.

Within some of the engine series, too, is a variety of displacement options. So, looking at the Man O' War range, you start with the Daily Driver crate engine, which comes in stock displacement—302 or 351 ci—and 9:1 compression, a 750-cfm four-barrel carb, and a hydraulic camshaft. It's a simple, relatively inexpensive combination that, with a 351-cube version, is good for 351 hp. It lists for $6,995.

The next step is the Cruiser, which builds on the Daily Driver recipe with increased displacement, as well as camshaft and other components sized to match. For our example, we'll use the 351-based 427ci displacement. It comes with a hydraulic camshaft and a 750-cfm carburetor. It's rated at 450 hp.

Next up is the World Class 427 engine; it includes a higher-lift camshaft and an 870-cfm carb to produce 475 hp (495 hp with aluminum heads).

And sticking with the 427-cube Windsor-style engine, the Hardcore version uses a solid-lifter cam and valvetrain, as well as a Dominator carb, for a rating of 500 hp (525 horses with aluminum heads).

The nuclear option is the Limited Edition 460-inch Man O' War, which uses aluminum lungs, 10.5:1 forged pistons, a roller camshaft, and a bunch of other high-end goodies to make 575 hp. Don't forget this is a small-block engine, not the iron lump out of an old Lincoln.

"The Limited Edition is for the guy who thinks too much is just right," Mitchell says.

And while the Hardcore and Limited Edition engines would certainly feel at home in the staging lanes of a dragstrip, Mitchell insists all the crate engines are designed for street use and are pump-gas friendly.

"The idea is to give enthusiasts a range of power to fit their budget," he says. "You tell us you want a 427-inch engine and we've got several flavors to pick from."

As for the streetability of the upper echelon engines, Mitchell says the proof is in his garage.

"My '33 Ford coupe has a Limited Edition engine and I can drive it anywhere through any traffic," he says. "We did the Power Tour in it last year." Still, he admits the power capability of just about 600 hp in a relatively light street car is something even he has only fully tapped into a few times. "It's overwhelming on the street and the power is deceiving," Mitchell says. "We've designed the engines with excellent idle characteristics, so you can cruise along and it feels completely docile—but once you get into it, it's like there's no end to the pulling power."

STRONG FOUNDATIONS

Even the entry-level Daily Driver crate engines use Eagle 4340 forged steel crankshafts, forged H-beam connecting rods, forged pistons, etc. The engines also come with plugs, wires, distributor, and balancer. Also, every engine is dyno-tested prior to shipping.

We spent a couple of days recently at World Products to watch these new Ford-style engines go together and were struck by the relative simplicity of it all. The engines are assembled by experienced builders who follow the prescribed recipe for various combinations, but there is nothing exotic about the engines or assembly techniques.

If you've read car magazines for any length of time, you'll have undoubtedly heard references to the air pump analogy—since an engine is simply an air pump, the more you pump in, the more power it pumps out. That's the case with the World Products engines, as these big-horsepower Man O' War engines derive their dyno numbers from large displacement, cavernous cylinder heads, and large carburetors.

In the accompanying photos, you'll see what goes into the buildup of a Man O' War crate engine—in this case, a World Class series 427 rated at 475 hp. Keep in mind that whether it's a Daily Driver or the full-boat Limited Edition, the foundation and processes are the same.

As we said at the top of the story, the lion's share of crate engine options have gone to the Chevy guys. But with more Man O' War combinations than you can shake a Flathead at, World Products is providing more opportunities for enthusiasts to keep their distributor up front—where it belongs.

Timeless OVAL Design

Interior Accessories for Your Hot Rod

Whether you are building a nostalgia street rod or a hi-tech show car, our MATCHING interior accessories will add that "finishing touch" to your interior.

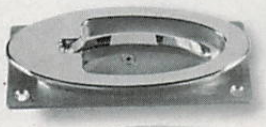
DOOR HANDLES
The finest interior door handle available.
Easily mounts to door with a removable bezel.

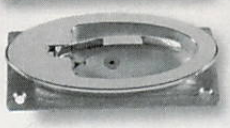
Interior *NH610*

Exterior *NH710*

FLAT STYLE
4″ L x 1½″ W
$169.95 pair

CLASSIC STYLE





LARGE HANDLE
5¾″ L x 2½″ W
$169.95 pair *LH510*

SMALL HANDLE
Perfect for smaller cars or limited space.
4½″ L x 2″ W
$169.95 pair *SH410*

Installation Kits
IK001
Standard Install Kit
$14.95

IK002
Suicide Install Kit
$17.95

DOME LIGHT
Removable molded lens, mounts to headliner with two screws.
5¾″ L x 2½″ W $69.95 *DL610*

A/C VENT
Adjustable vent, mounts easily, fits 2½″ A/C duct.
3⅞″ L x 1¾″ W $59.95 *AC710*

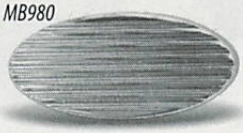
NEW

DUAL A/C VENT
7½″ L x 2¼″ W
$119.95 *AC720*

COURTESY LIGHT
Perfect for door panels and kick panels with a removable lens for easy bulb replacement.
3¾″ L x 1½″ W $44.95 *CL620*

NEW

Ribbed Brake Pedal
4½″ L x 2″ W
$34.95 *MB980*



Ribbed Gas Pedal
w/ Drilled Assembly
4½″ L x 2″ W
$129.95 *GP981*

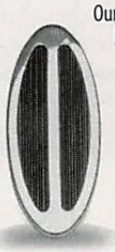
BILLET ALUMINUM GAS PEDAL
Our "Timeless Oval Design" gas pedal is fully adjustable and perfect for your nostalgia or hi-tech hot rod.
4½″ L x 2″ W $119.95 *GP970*

Sm. $34.95 *BS950*

Md. $34.95 *MB940*

Lg. $34.95 *LB960*

BILLET ALUMINUM BRAKE PEDALS
Our matching brake pedals in: Large 5¾″ L x 2½″ W
Medium 4½″ L x 2″ W • Small 3⅞″ L x 1¾″ W



MULTI-MOUNT BRAKE
Mounts Vertical or Horizontal
4½″ L x 2″ W
$34.95 *MB930*

DC980

DC975

DIMMER COVERS
2⅞″ L x 1¼″ W
$19.95

Ribbed Dimmer Cover
2⅞″ L x 1¼″ W
$24.95 *DC990*

NEW

44 Mag Gas Pedal
w/ Drilled Assembly
2¼″ $139.95
GP976

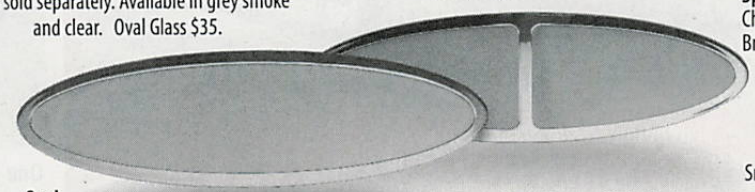
44 Mag Dimmer Cover
1½″ $29.95 *DC985*

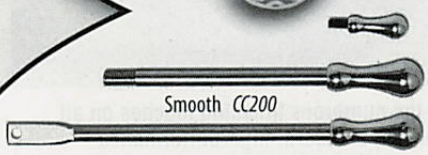
44 Mag Brake Pedal
3″ W $39.95
MB970

CONVERTIBLE TOP WINDOWS
Our convertible top windows are manufactured from 6061T6 billet aluminum and consist of an inner and outer frame that are held together with machine screws on the back. The outside frame is available in a brushed finish or chrome plated finish (pictured) and the inside frame is brushed. The outside dimensions of the frame are 23½″ L x 6⅞″ W. These windows are absolutely beautiful and there is nothing else like them available anywhere . The quality is second to none.

Glass sold separately. Available in grey smoke and clear. Oval Glass $35.

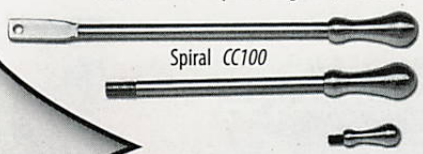
Split Oval
Chrome $295 *SW320*
Brushed $260 *SW315*





Smooth *CC200*

COLUMN DRESS UP KIT.
With smooth or "Spiral Design". $34.95 set



Spiral *CC100*

Oval
Chrome $295 *OW310*
Brushed $260 *OW305*

"HOURGLASS DESIGN" INTERIOR ACCESSORIES
These "Hourglass Design" knobs will compliment any interior, new or old. Available in smooth or our "Spiral Design".

Push Button Shift Knob
Smooth *SB210* Spiral *SB110*
$24.95 ea.

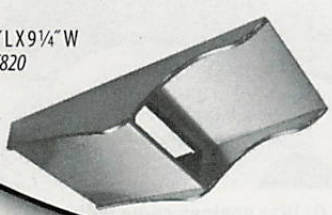
Solid Shift Knob
Smooth *SS230* Spiral *SS130*
$19.95 ea.

Dash Knobs
Smooth *DK240*
Spiral *DK140*
$10.95 ea.

Column Knobs
Smooth *SC220*
Spiral *SC120*
$19.95 ea.

BILLET ALUMINUM OVERHEAD CONSOLES
Our billet aluminum overhead consoles are easy to install and can be disassembled to be polished, chromed, anodized, painted, upholstered or any combination.

Small 17½″ L X 9¼″ W
$189.95 *OC820*



Regular 27½″ L X 9¼″ W
$199.95 *OC810*

PHIPPS

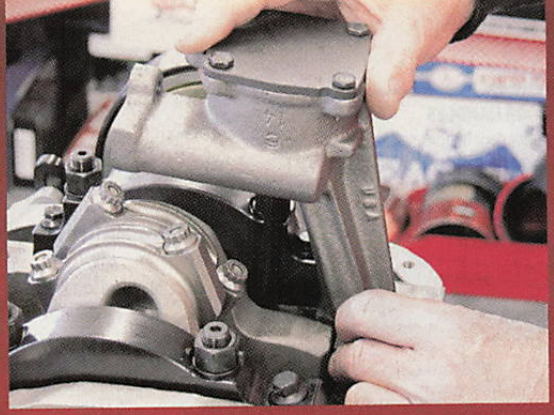
Rod & Custom Accessories, Inc.

1-866-PHIPPS1 (744-7771)

www.PhippsProducts.com

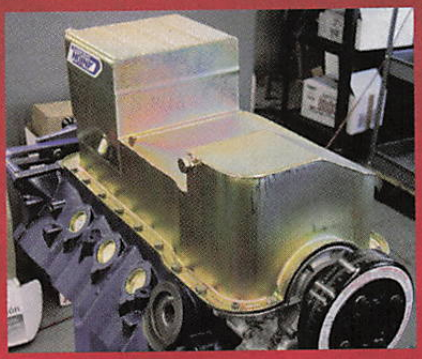
All Major Credit Cards Accepted. Dealer Inquiries Invited

All products have a timeless design and are manufactured of billet aluminum and are show polished.

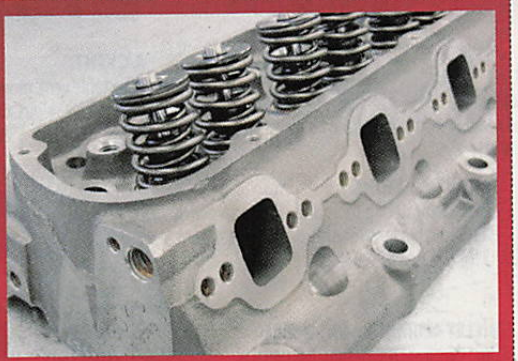


On OE Ford 302 blocks, the oil pump mounting position limits the maximum stroke of the engine and, therefore, the maximum displacement of the engine to about 347 ci. A special C version of the Man O' War block alters the oil pump/distributor to the 351 position, allowing for a longer stroke and a maximum 375-inch 302. The pump for our 427 came from Melling.

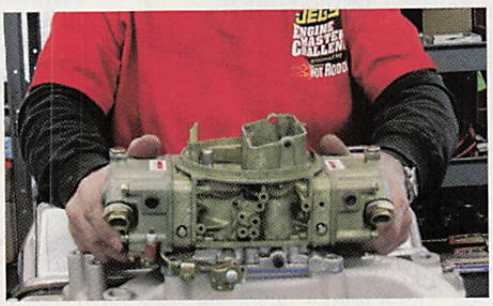
It wouldn't be a crate engine package without a snazzy set of valve covers, like the polished aluminum covers slipped onto our project 427.



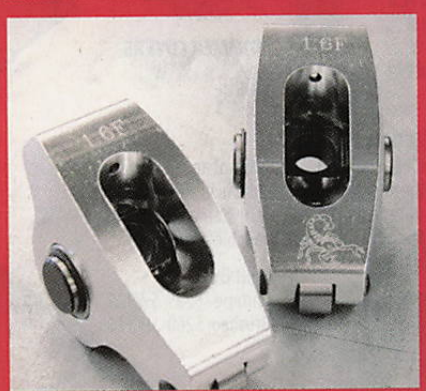
Shoring up the bottom of each Man O' War engine is a deep-sump oil pan. In the case of our World Class 427, it's a golden pan from Canton.



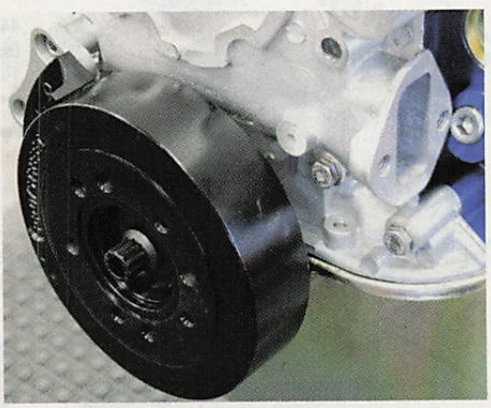
World Products' own cylinder heads are used on the Man O' War engines, with iron heads as standard and aluminum versions optional. Our 427 engine uses World's Windsor Sr. heads, which have 200cc intake runners, 2.055-inch intake valves, and 1.600-inch exhaust valves. The stainless, severe-duty valves are sourced from Manley, along with the locks and retainers.



Our World Class 427 receives an 870-cfm carburetor that is built in-house by World Products. Daily Driver and Cruiser engines receive a 750-cfm carb. Hardcore and Limited Edition engines breathe through a 1,050-cfm Dominator.



(left) Rocker arm ratios vary, depending on the displacement and horsepower rating, but all are aluminum roller rockers from Scorpion. *(right)* Complementing the roller rocker arms is a set of roller lifters. They're matched with forged one-piece pushrods, pushrod guideplates and heavy-duty retainers, locks, etc.



One of the numerous finishing touches on all engines is a standard, high-performance balancer. In the case of our project engine, it's from ATI.

(left) Take a closer look at our 427 engine's cylinder heads and you'll notice the stiff, 125lb dual valve springs. Interestingly, the block has provisions for two extra head bolts and World may begin producing their heads with extra bolt holes to provide an extra measure of sealing assurance. *(right)* Again, intake manifold selection varies between the various classes of engines. Hardcore and Limited Edition engines receive Dominator-type carbs and corresponding manifolds, while Daily Driver, Cruiser, and World Class engines receive 4150-style carbs.

All Man O' War engines come with an HEI-style distributor supplied by Mallory. The engines come with the plugs and wires installed, too.

BODY OF STEEL
Brookville
ROADSTER

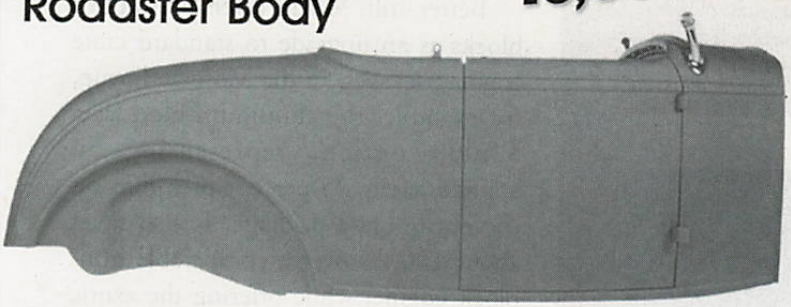
ALL-STEEL™ ADVANTAGE

Home of the NEW ALL Steel Roadster Bodies, Chassis, Street Rod Kits & Components

COMING SOON

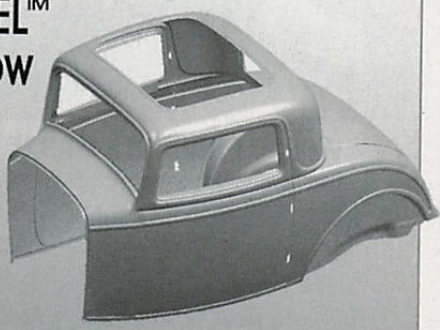
ORDER TODAY!

1932 ALL STEEL™ Ford Rodaster Body $10,500.00

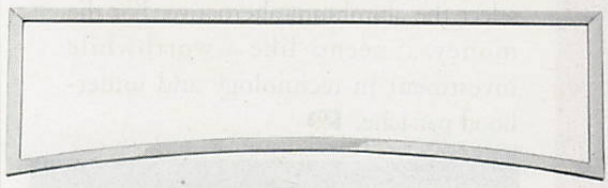


1932 ALL-STEEL™ Ford 3 Window Coupe Body

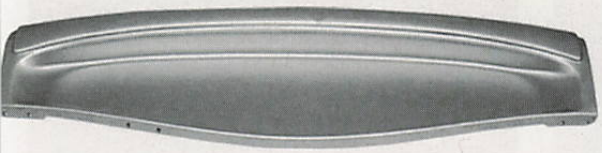
Be a part of history and order a rodding icon today!



1932 Chopped 2" Chrome Windshield Frame....$375.00



1932 3 Window Smooth Dash.....$595.00

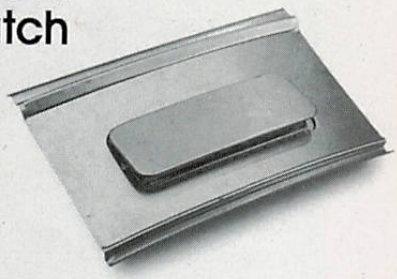


1932 Grille Shell

$275.00

1932 Cowl Vent Patch

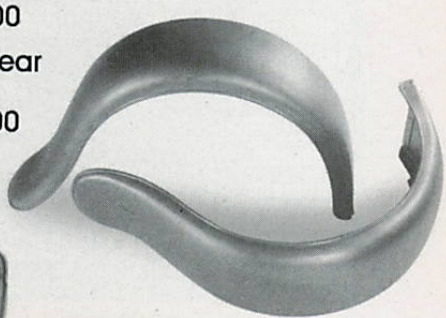
Complete Cowl Vent Patch (Assembled)
$375.00



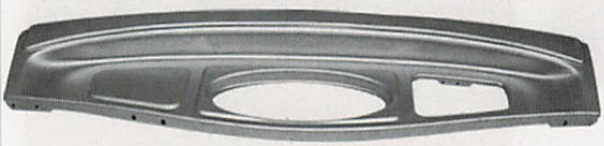
1932 Rear Fenders

Roadster Rear Fenders
$1,000.00

Sedan Rear Fenders
$1,050.00

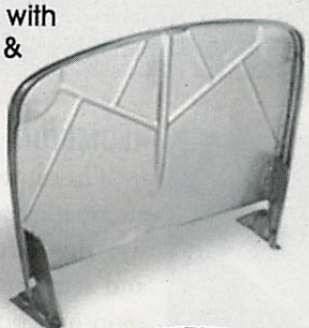


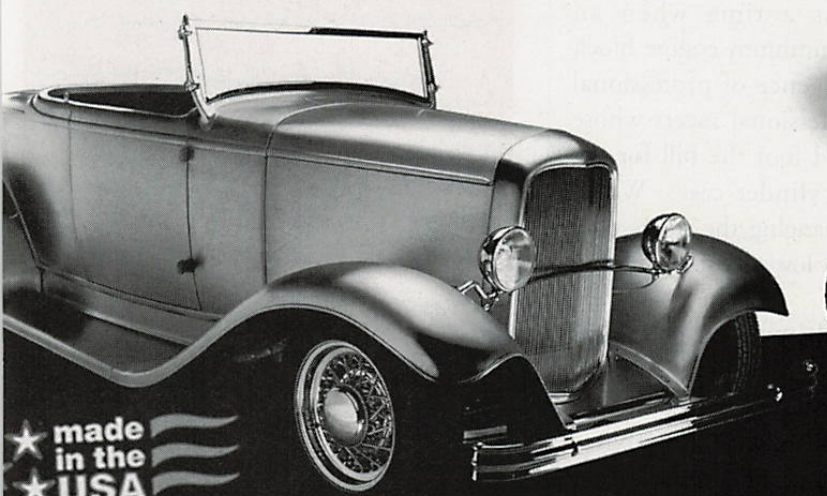
1932 3 Window Stock Dash.....$895.00



1932 Firewall

Flat Firewall with Stock Bead & Stock Feet
$425.00





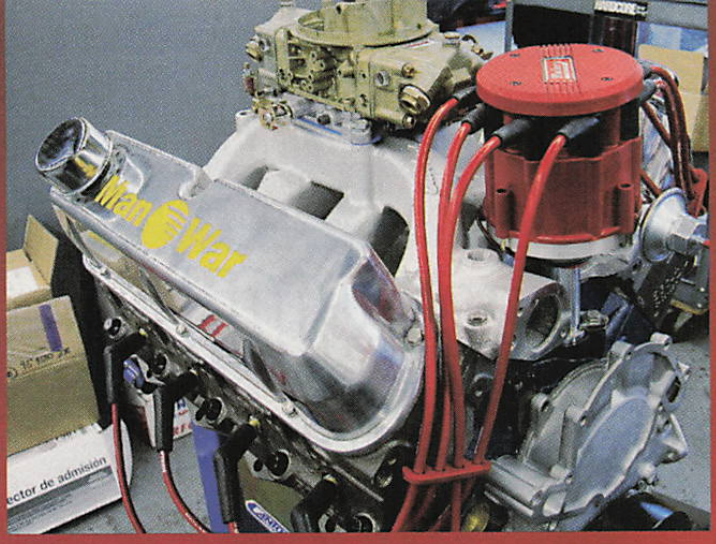
Send $5 Today for a Catalog, mention code SB05 and get it FREE!

★made in the★USA

718 Albert Road • Brookville, OH 45309

24 Hour Fax Line: (937) 833-4785

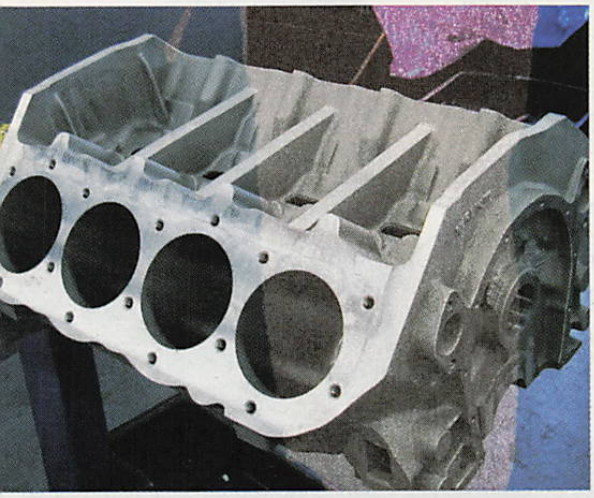
www.brookvilleroadster.com • (937) 833-4605



All buttoned up, our World Class 427 engine is rated at 475 hp and 465 lb-ft of torque. That's definitely big-block power from big-block displacement—but wrapped within small-block dimensions. All Man O' War crate engines are dyno-tested after assembly and come with a two-year/24,000-mile warranty.

WORLD PRODUCTS MAN O' WAR WORLD CLASS 427

TECH SPECS	
Base price	$8,995
Engine type	OHV V-8; iron block with iron heads
Displacement	427 ci
Compression ratio	9.5:1
Horsepower	475 @ 5800-rpm
Torque (lb-ft)	465 @ 3850-rpm
Cylinder block	high-density cast iron
Main bearing caps	four-bolt splayed; billet steel
Deck height	9.500 inches
Cylinder bore	4.125 inches
Stroke	4.000 inches
Crankshaft	4340 forged steel
Connecting rods	4340 forged steel H-beam
Pistons	forged aluminum with coated skirts
Piston	connecting pins full floating
Camshaft	hydraulic
Timing system	double-row chain
Cylinder heads	Windsor Sr. iron; 200cc intake runners
Combustion chamber	64cc
Valves	2.055-inch intake; 1.600-inch exhaust (stainless steel)
Valve springs	dual 125lb seat
Rocker arms	aluminum roller; 1.6 ratio
Pushrods	4340 forged steel, one-piece (used with guides)
Carburetor	870-cfm (4150 series)
Distributor	HEI-type
Miscellaneous	spark plugs, plug wires, oil pan, polished alumin valve covers, balancer included



ALUMINUM ALTERNATIVES

There was a time when an aftermarket aluminum engine block was the indulgence of professional and semi-professional racers whose sponsors could foot the bill for the exotic alloy cylinder cases. World Products is changing the status quo, however, with lower-cost aluminum block castings.

It started about a year and a half ago with the Motown Lite, an aluminum version of the company's Motown small-block Chevy-based block. It continues this year with the lightweight Merlin X alloy cylinder case (see photo). This lightweight revolution will soon spawn aluminum versions of the Man O' War block used in our main story.

World's aluminum blocks roughly chop in half the cost of a traditional bare aluminum cylinder case, thanks to an innovative machining process that dramatically reduces the time and effort involved in finishing a rough casting.

Better still, World offers aluminum blocks as an upgrade to standard crate engine packages. In the Motown lineup, for example, the aluminum block is a $2,000 option, representing an approximately 25-percent premium on the entire crate package. It also saves about 100 lbs over a comparable iron-block engine, while offering the exotic distinction of being, well, an aluminum engine block.

World Products says that, so far, about a quarter of Motown customers select the aluminum alternative. For the money, it seems like a worthwhile investment in technology and under-hood panache. SR

WORLD PRODUCTS
51 Trade Zone Ct., Dept. SRM
Ronkonkoma, NY 11779
(631) 981-1918
www.worldcastings.com

CANTON RACING PRODUCTS
232 Branford Rd., Dept. SRM
N. Branford, CT 06471
(203) 481-9460
www.cantonracingproducts.com

EAGLE SPECIALTY PRODUCTS
8530 Aaron Ln., Dept. SRM
Southaven, MS 38671
(662) 796-7373
www.eaglerod.com

EDELBROCK CORPORATION
2700 California St., Dept. SRM
Torrance, CA 90503
(800) 386-8326
www.edelbrock.com

MANLEY PERFORMANCE
1960 Swarthmore Ave. Dept. SRM
Lakewood, NJ 08701
(732) 905-3366
www.manleyperformance.com

MELLING ENGINE PARTS
P.O. Box 1188, Dept. SRM
Jackson, MI 49204
(517) 787-8172
www.melling.com

MR. GASKET CO. (MALLORY)
(888) MR-GASKET
www.mrgasket.com

SCORPION PERFORMANCE INC.
3000 SW 4th Ave., Dept. SRM
Fort Lauderdale, FL 33115
(954) 779-3600
www.scorpionperformance.com

Hagan Street Rod Necessities

Serving you for Twelve Years

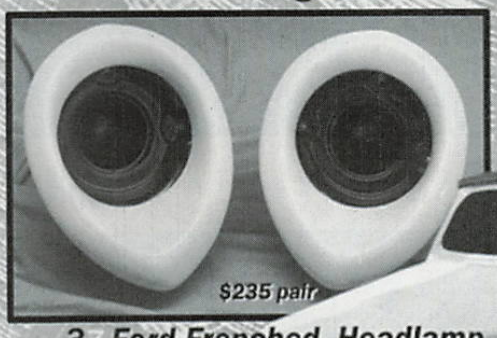
1-888-464-2426

ORDER LINE

Tech 775-885-1969 Fax 775-888-9544
2179 Joanne Dr. Carson City, NV 89701
Order online at: Haganauto.com

40's & 50's Frenched Head lamp System

$215 Chrome
$185 Bare



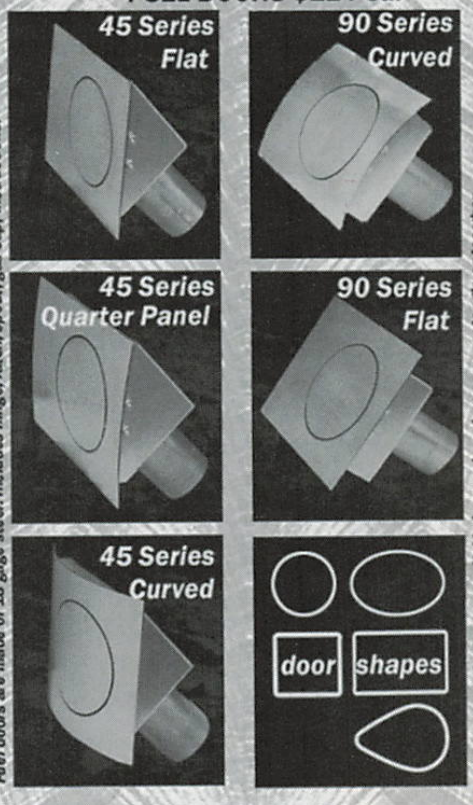
3– Ford Frenched Headlamp System

$185 Chrome
$165 Bare

30's Frenched Headlamp Systems

we have sets to fit most cars... call for application

FUEL DOORS $124 ea.



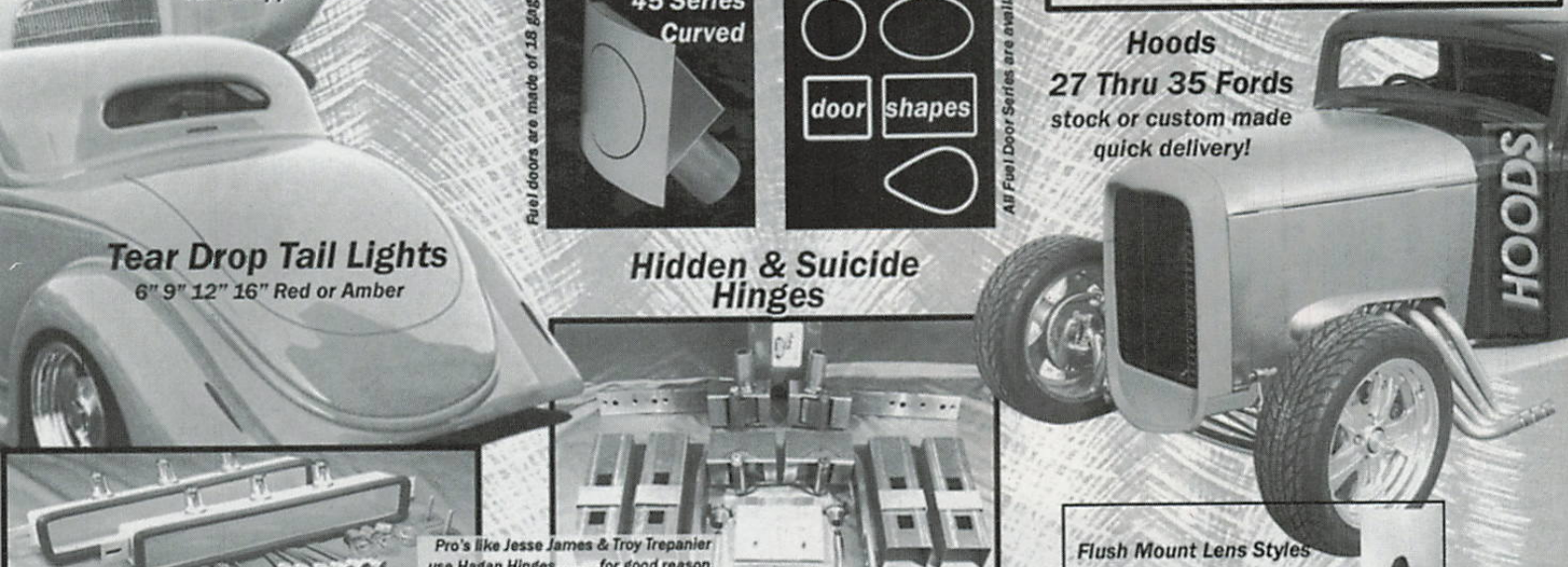
Fuel doors are made of 18 gage steel. Includes hinge, latch, spout, gas cap, instructions.

All Fuel Door Series are available in round, oval, square, rectangle or teardrop

Hoods

27 Thru 35 Fords

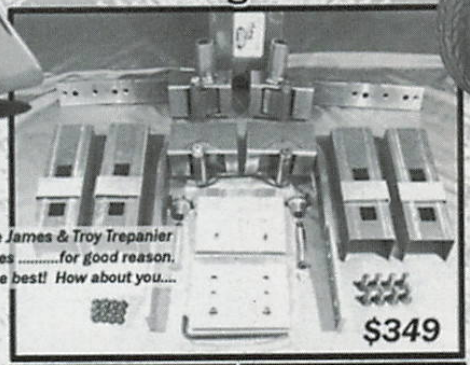
stock or custom made quick delivery!



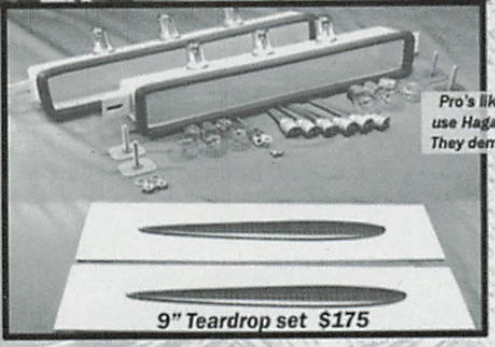
Tear Drop Tail Lights

6" 9" 12" 16" Red or Amber

Hidden & Suicide Hinges



Pro's like Jesse James & Troy Trepanier use Hagan Hinges .....for good reason. They demand the best! How about you....

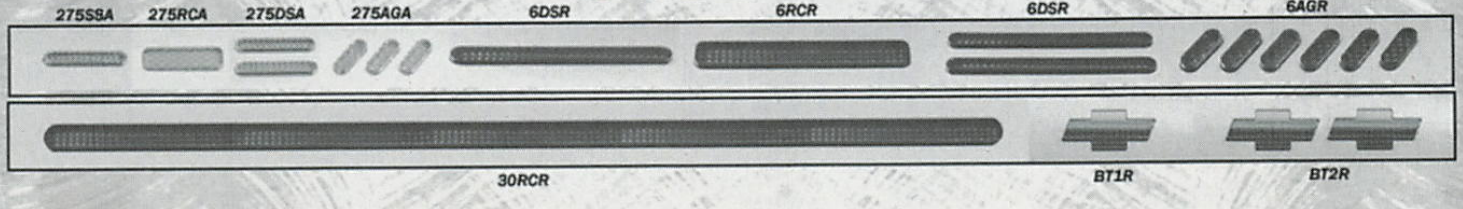


Flush Mount Lights

include: Lenses, light boxes, bulb, wire, hardware, instructions

Latch install set

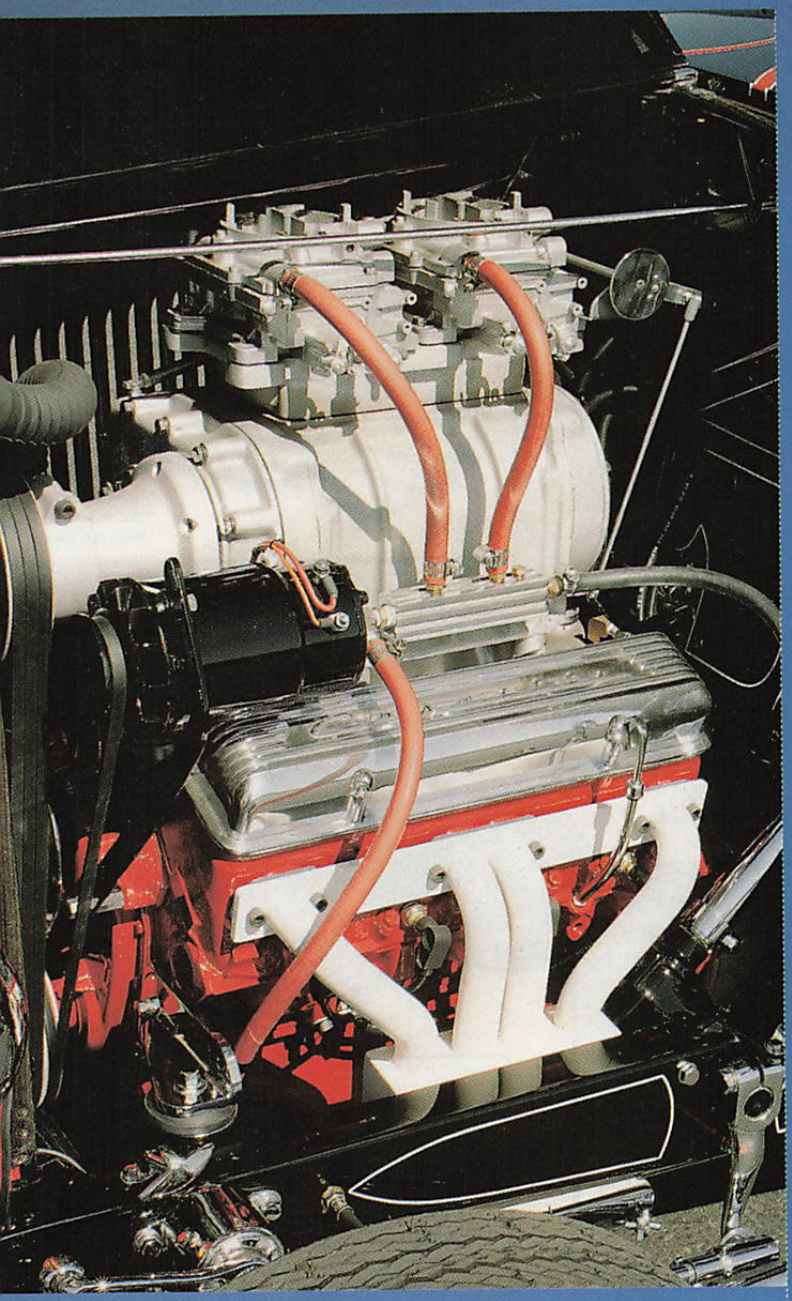
Bear claw latches



BY RYAN MANSON

BLOWER MAINTENANCE 101

how to keep that huffer in tip-top shape



Ever since guys like Barney Navarro and Tom Beatty bolted on GMC superchargers and promptly blew the competition away, it's been widely accepted as the easiest way to bump up those ponies. Racers all across the country adopted the use in a variety of different sizes, ranging from the smaller 4-71 on up to the giant 16-71s used on today's top fuel dragsters. Giving the engine what it likes best—more air and fuel—results in power increases from the modest to the outrageous. And since simply swapping out a few pulleys can change boost levels, that tame 3lb boost street motor can be tuned to push over 30 lbs for all-out racing in a heartbeat.

Originally, superchargers were designed for aircraft engines to increase the density of the air taken into the cylinders at high altitudes so full power could be achieved. Since the atmospheric pressure and density at 20,000 ft is roughly half that at sea level, superchargers aided in providing the engine the pressure it lacked at the higher altitudes. The increase in atmospheric pressure, along with the added pressure and density the blower provides, yields serious gains in overall performance.

There are drawbacks, however. Increasing the induction system pressure and charge density brings with it additional heat that can seriously damage an engine that is not capable of handling these variables. The proper engine setup and maintenance, on the other hand, can provide years of trouble-free operation with gobs of power readily available at a stomp of the foot.

We recently started a rebuild on a blower motor that had acquired a good 35,000 miles on it over the years, and we decided that while we were rebuilding the motor, it only made sense to go through the blower as well. It turns out that the blower housing and rotors were in very good shape, but both the front and rear covers were leaking—not a good sign. Upon disassembly, it was revealed that the seals were bad and the bearings were just about ready to go as well. We brought the blower, in this case a 6-71, down to Blower Drive Service and had the knowledgeable staff go through the blower and answer a few questions we had. Follow along as we tear into the blower and learn a thing or two about proper blower maintenance.

THE SOURCE! In Steering, Brakes and Suspension

From The Front To The Rear & All Parts In Between, Classic's Got 'Em All!

Mustang II Special

Our Mustang II features: Tubular Upper & Lower Control Arms, stock or dropped Spindles, 11" Disc Brake Kit, Manual Rack & Pinion Steering Standard, Boxing Plates and all necessary hardware & instructions. For Power Rack add **$100.00**. New Sway Bar Kit with I.F.S. package available for most applications, **$99.00**. Sway Bar Kit Outright **$139.00**. Available for '34-'48 Ford passenger cars, '35-'41 & '48-'56 Ford pick-ups, Also available for '35-'53 Chevy passenger cars & '37-'59 Chevy pick-ups.

Complete Mustang II I.F.S., From, **$1,500.00**

Complete Mustang II Air Ride I.F.S., From, **$1,600.00**

Custom I.F.S. System

Complete system-designed for your street rod or early model truck. The Custom I.F.S. shown Features: Tubular Upper and Lower Arms, Manual Rack and Pinion Standard, Steering Billet Aluminum Coil-Over Shocks and Anti Sway Bar. Options Include: Polished Stainless Steel Upper & Lower Control Arms, Polished Billet Aluminum 4-Piston Calipers, Chromed Spindles and all necessary hardware for easy installation. Power Rack Add $160.00.

Complete, From, **$2,195.00**

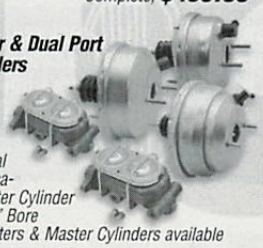
"Note: Kits & Prices May Vary Between Certain Applications"

Lifetime Guarantee On All Parts

Complete Mustang II Disc Brake Kit

This kit is a complete Mustang II wheel kit avail-able for either stock or dropped spindle. Brake kit includes: 11" Rotors, Calipers, Caliper Mounting Brackets, Spindles, Hoses, Dust Caps, Bearings, Seals, Bolts & Mounting Hardware.

Complete, **$499.00**



Mustang II Brake Booster & Dual Port Master Cylinders Brake Kits

Boosters available in 7" & 8" Single and 8" & 9" Dual Diaphram applications. Dual Master Cylinder with 1" & 1-1/8" Bore additional. Boosters & Master Cylinders available separately.

8" & 9" Booster* Single Diaphram..... **$110.00**

8" & 9" Booster* Dual Diaphram..... **$130.00**

*Booster W/Master Cylinder Add $35.00

Dual Master Cylinder Separately.....Ea., **$49.95**

'28-'48 Manual Brake Pedal Assembly

Designed for the '23-'48 passenger cars & '28-'41 Ford Pick-ups. Brake arm has threaded end for brake pad & come with self lubricating Teflon® bushings requiring no maintenence. Unit comes complete with all hardware & instructions.

Pedal Assembly Kit **$159.00**

New 12 Volt Brake Booster Vacuum Pump

Got low brake pressure? Add a 12 Volt Brake Booster Vacuum Pump to your system to bring your booster system back to life!

Starting At, **$299.00**

Vacuum Pressure Gauge

Gives accurate reading of most pressure systems.

Ea., **$15.00**

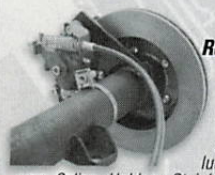
Complete Brake Line Kit

Our kits are complete. Kit includes: Braided Flex Lines, Steel Tubing (Stainless also available, additional), Mounting Brackets & Hardware.

Brake Line Kit W/Steel Tubing **$165.00**

Kit W/Stainless Steel Tubing..... **$329.00**

Accessories



Rear Disc Brake Conversion Kit

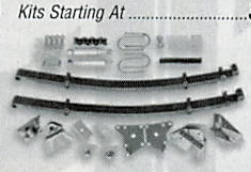
Designed to fit all popular rearend applications. Includes: Rotors, Calipers, Caliper Holders, Stainless Braided Brake Lines & all necessary hardware needed for installation

Kits Starting At..... **$579.00**

Shock Wave Rear Air Bags

Replace your 4-Link Kit with a Shock Wave Rear Air Bag Kit. Includes: Shock Wave Air Bags, Bracketry & all necessary hardware.

Kits Starting At..... Pr., **$799.00**



Rear Leaf Spring Kit

Bolt-in Parallel Leaf Kit for the Fords passenger cars & Fordpick-up. Includes: springs, shock kit, mounting brackets, instructions, & hardware. Weld-on axle brackets included.

Kit **$399.00**

Proportioning Valve

Adjustable propotioning valve with or without pressure gauge.

Proportioning Valve, Only **$45.00**

Valve With Pressure Gauge **$70.00**

Residual Check Valve **$19.00**

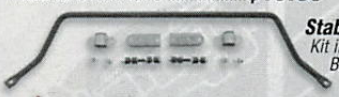
Chrome Alternator

Not A Rebuilt! Available in 80, 100 & 110 amp applications.

80 Amp..... **$89.95**

100 Amp..... **$100.00**

110 Amp LT-1 V-Belt & Serp..... **$175.00**



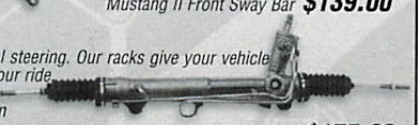
Stabilizer Bar

Kit includes: Stabilizer Bar, Poly Businings, Mounting Brackets & All necessary Hardware.

Mustang II Front Sway Bar **$139.00**

Rack & Pinion Steering Units

We offer our units in power and manual steering. Our racks give your vehicle the precise steering that you want for your ride. Units are new not rebuilts. Units come complete and ready for installation



Manual Rack & Pinion **$175.00**

Power Rack & Pinion **$199.00**

Steel Steering Columns

Available for column or floor shift styles. comes in either the plain (ready for paint) or the popular chrome. Column comes complete ready for installation.

Plain Column, St. At, ... **$215.**

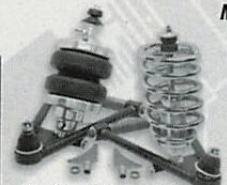
Plain Tilt Column, St. At,..... **$275.**

Plain Tilt Shift Col., St. At,..... **$425.**

Low Pressure Brake Light Switch

Our low pressure "T" style brake light switch is available with 3/16" or 1/4" and or -3 or -4AN Fittings. Unit comes complete with fittings. Switch and fittings also sold separately.

Brake Light Switch..... **$15.00**



Mustang II Up Grades Coil-Overs Or Shock Wave With A-Arms

Availabe with coil overs or Schock Wave. Can be purchased with or without A-Arms.

Coil Over W/Lower A-Arm,.....Set, **$649.00**

Coil Over Shocks Only.....Set, **$399.00**

Shock Wave W/Lower A-Arm,.....Set, **$950.00**

Shock Wave Only .....Set, **$750.00**

Tubular Upper & Lower Control Arms

Designed to fit either the deluxe or economy crossmembers. Heli-arc welded for strenth & durability. Comes complete with ball joints & bushings installed, & all hardware.

Shown With Chrome Up-Grades

Upper A-Arms **$205.00**

Lower A-Arms **$295.00**

Upper & Lower Control Arm Combo, Classics's 4-Piece Special Price, ... **$489.00**

Economy Mustang II Crossmember Kits

Complete Crossmember kits for the Mustang II I.F.S. Kit. Includes: lower crossmember, Upper spring hats & boxing plates. Kits are available for either the tubular control arms or stock O.E. control arms.

Crossmember Kit..... **$349.00**

Mustang II Rebuild Kits

Is your Mustang II in OK shape, but could use a little help? Our rebuild kit is the answer. Includes: Control Arm, Strut Rod Bushings, Ball Joints, Tie Rod Ends & Hardware.

Mustang II Rebuild Kit..... **$120.00**

Mustang II Coil Over Springs

No matter what engine you are using...we have the spring kit for you. Our medium Mustang II Coil springs are designed to handle the weight of any S/B and our "Heavy" coil springs will handle any B/B engine.

Heavy Duty & Medium Mustang II Spring, Pr., **$90.00**

Classic PERFORMANCE PRODUCTS, INC.

Finest In Steering, Brakes & Suspension

8341 Artesia Blvd. / Unit C / Buena Park, Ca 90621-2583 / Dept. SR / Fax: (714) 522-2500

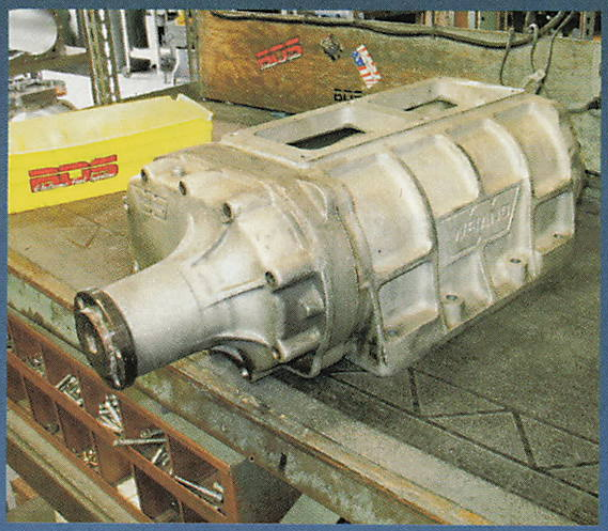
Order Line: **(800) 522-5004** Tech Line: **(714) 522-2000**

Visit Our Web Site @ www.classicperform.com

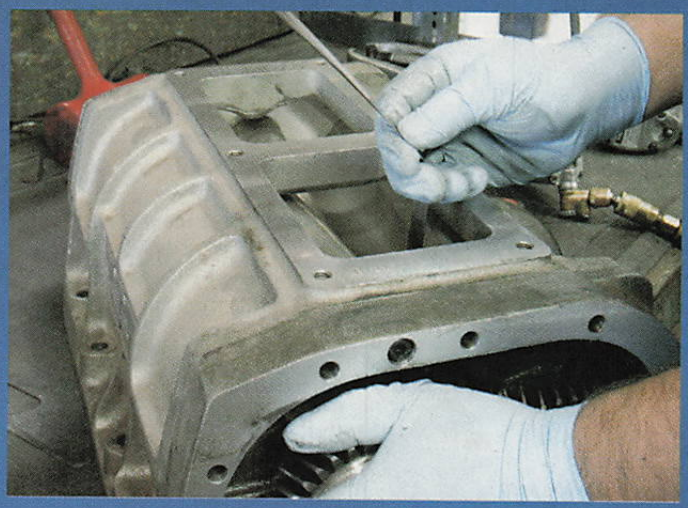
VISA MasterCard DISCOVER

1977 25 2003

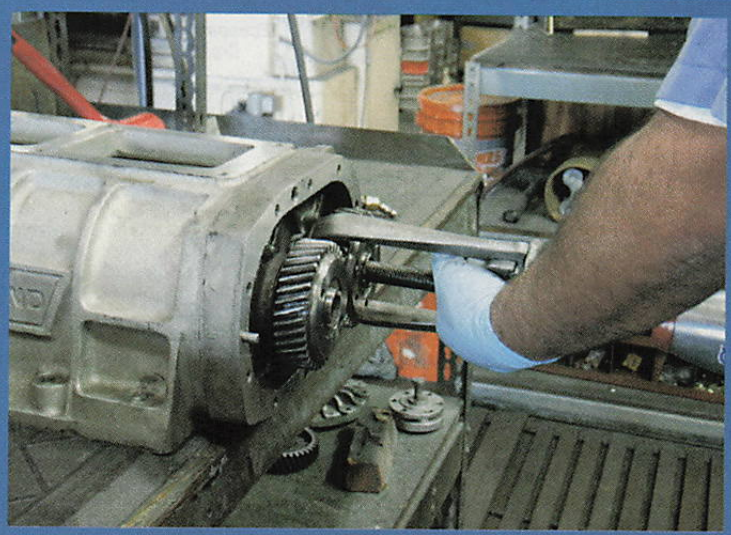
Visit www.classicperform.com, Our Website Is Packed With All Of Our Products...Over 100 Helpful Step By Step Tech Articles & Instruction Sheets, A Must For the Serious Builder!



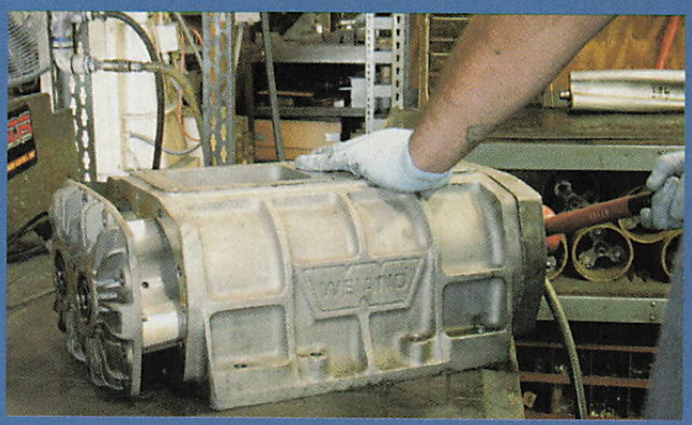
Here's our blower right as it came off the engine. It's a Weiand 6-71 and has quite a few hard miles on it. It was leaking from both the front and the rear bearing plates, so a rebuild was obviously a necessity.



The first thing on the agenda is to check the timing. This gives us an idea of what kind of shape our blower is in. We removed the front snout to gain access to the timing gears and then checked the timing. First, we check the leading and lagging edge of the rotors and then the front and rear clearances using simple feeler gauges.

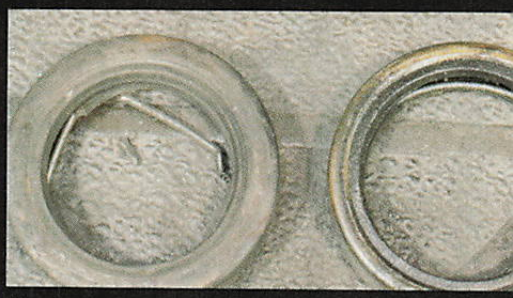


With the gears marked in relation to each other, it was time to pull them off and get to the rotors.

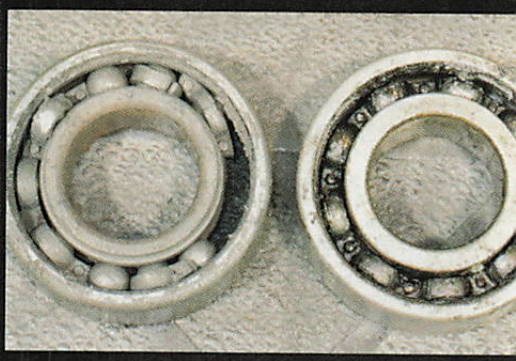


Once the gears are removed and the rear cover is unbolted, the whole unit should slide right out with a little bit of persuasion.

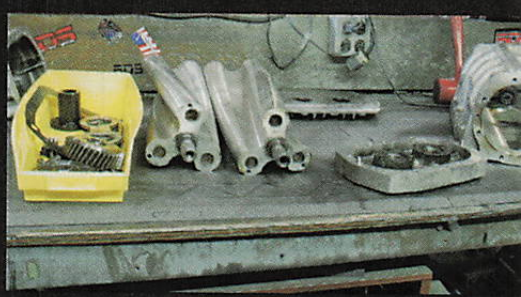
Upon inspection of the rear seals, you can see that the rubber has broken apart from almost half of the diameter of the seal, exposing the spring that holds the seal tight against the rotor shaft. This is where our leak was coming from.



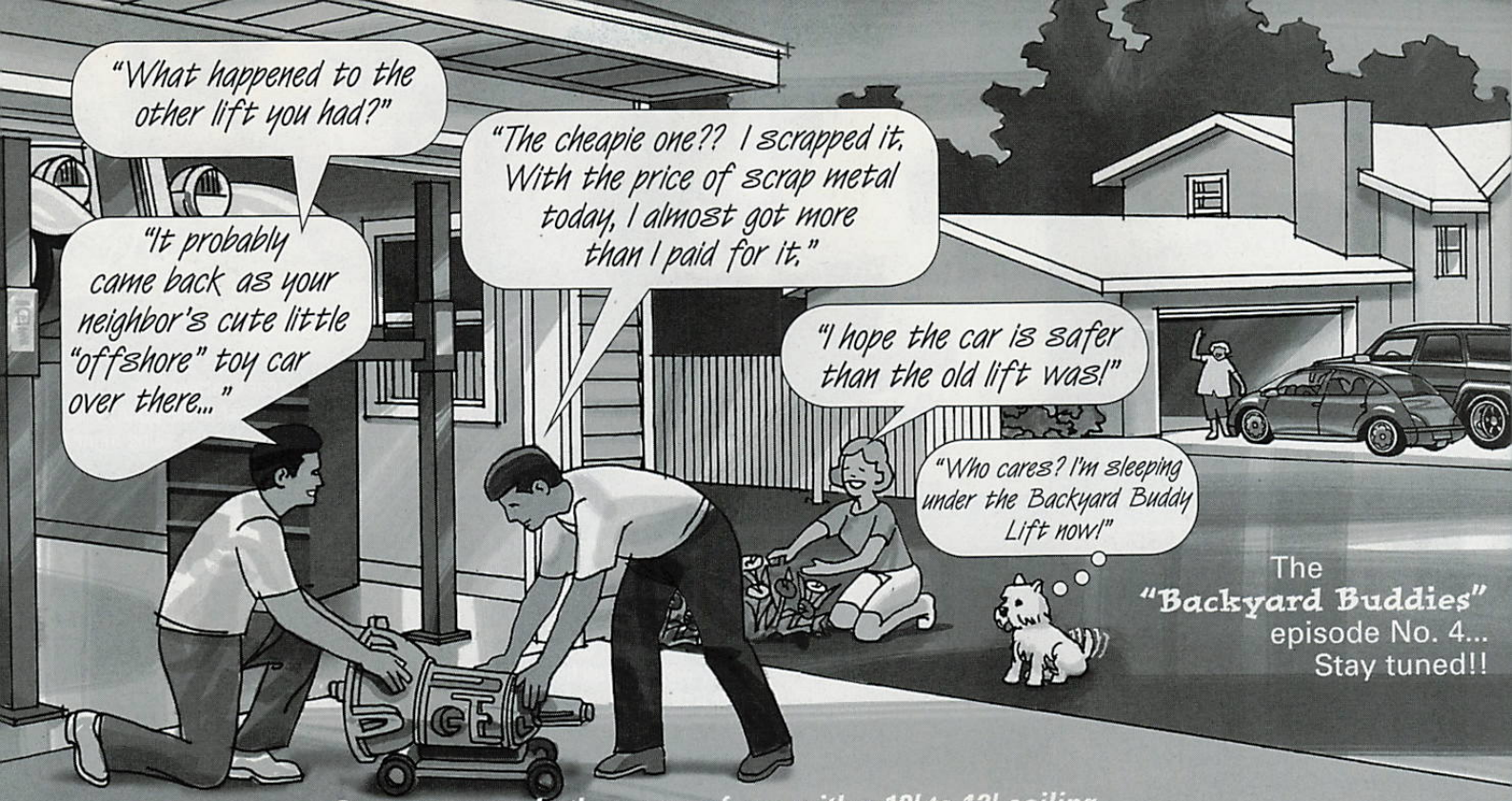
Here's a comparison of our front seal on the right, and a severely damaged seal on the left. It wouldn't have been long before our seal ended up looking like this and severely damaging our blower.



Here's a side-by-side comparison of our bearing (right) and a severely damaged one. You can see the grease and oil on our bearing was black and gummy, a result of over heating. The discoloration is also a clue to this. These kinds of conditions are what caused the bearing on the left to fail and come apart. When these kinds of situations arise, the damage is usually catastrophic for the life of the blower.



You have the snout, a box full of the timing gears, blower drive, rear bearing cover, hardware, etc., the two rotors, the front and rear bearing plates, and the blower housing.


"What happened to the other lift you had?"
"It probably came back as your neighbor's cute little "offshore" toy car over there..."
"The cheapie one?? I scrapped it. With the price of scrap metal today, I almost got more than I paid for it."
"I hope the car is safer than the old lift was!"
"Who cares? I'm sleeping under the Backyard Buddy Lift now!"
The "Backyard Buddies" episode No. 4... Stay tuned!!

- *Store two cars in the space of one with a 10' to 12' ceiling.*
- *Work comfortably and safely with an 8' ceiling**

Do you want the SAFEST or the cheapest? Ask for our free video and then decide.

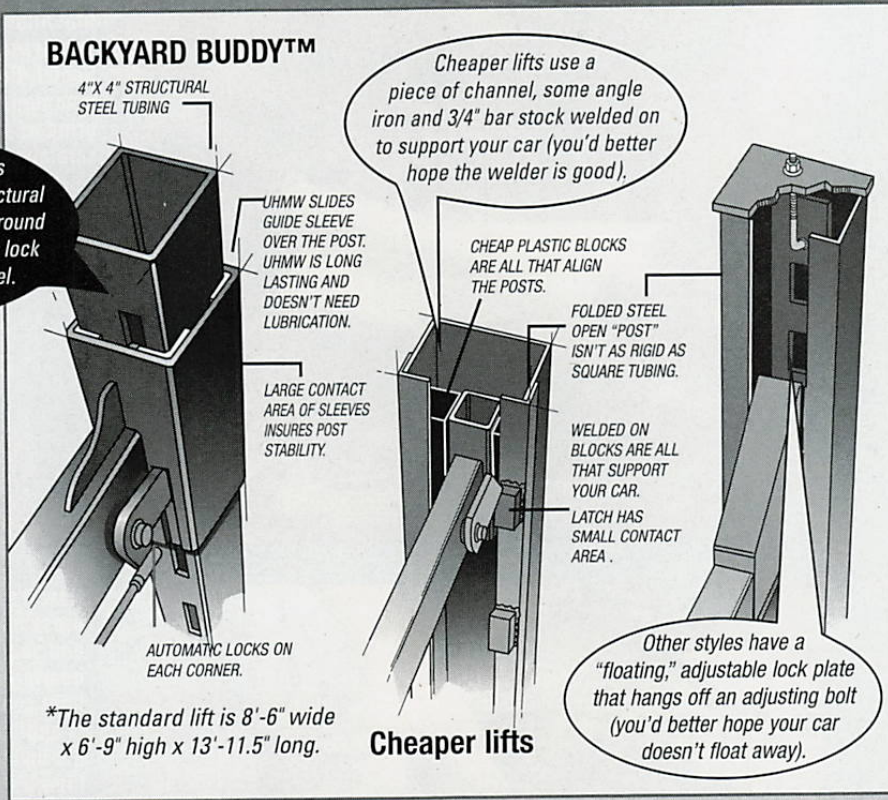
Call us and we'll be glad to explain why BACKYARD BUDDY™ lifts cost a little more but will last a lifetime. That's why we have earned the trust of rodders, restorers, collectors and racers around the world.

Don't get sidetracked by the claims of our "competitors." Just look at the design of the BACKYARD BUDDY corner post and lock. You don't have to be an engineer to see that the large surface area of the sleeve riding over the 4" square tubing corner post makes for a very stable lift.

Backyard Buddy™ Lifts use 4" square, U.S. made, structural steel tubing. Steel sleeves surround the post and heavy-duty dogs lock into notches cut in the steel.

Go ahead. Compare us to the competition. You will find that ***BACKYARD BUDDY is the safest, highest quality lift you can buy. After all, what else is more important???***

- *BACKYARD BUDDY Lifts* ***meet or exceed all ANSI standards.***
- *We use only* ***U.S. made, high tensile strength structural steel.***
- *The basic lift has* ***7000 lb. capacity, 7.5 ton cables, 6 ft. x 3" bore hydraulic cylinder.***
- *Each corner post has an* ***automatic positive safety lock.*** *The lift must be raised slightly to disengage the locks.*
- ***Lifts are free standing and easy to move*** *with optional casters.*
- ***Factory Direct Warranty.*** • ***Easy Leasing Available.****
- *FREE video and information package.*
- ***Proudly manufactured in Warren, Ohio.***
- *A rolling jack platform and a built-in flush folding hydraulic jack are available options.*


BACKYARD BUDDY™
4"X 4" STRUCTURAL STEEL TUBING
UHMW SLIDES GUIDE SLEEVE OVER THE POST. UHMW IS LONG LASTING AND DOESN'T NEED LUBRICATION.
LARGE CONTACT AREA OF SLEEVES INSURES POST STABILITY.
AUTOMATIC LOCKS ON EACH CORNER.
Cheaper lifts use a piece of channel, some angle iron and 3/4" bar stock welded on to support your car (you'd better hope the welder is good).
CHEAP PLASTIC BLOCKS ARE ALL THAT ALIGN THE POSTS.
FOLDED STEEL OPEN "POST" ISN'T AS RIGID AS SQUARE TUBING.
WELDED ON BLOCKS ARE ALL THAT SUPPORT YOUR CAR.
LATCH HAS SMALL CONTACT AREA .
Other styles have a "floating," adjustable lock plate that hangs off an adjusting bolt (you'd better hope your car doesn't float away).
Cheaper lifts

*The standard lift is 8'-6" wide x 6'-9" high x 13'-11.5" long.

Better Business Bureau®

MasterCard VISA DISCOVER

SEMA MEMBER

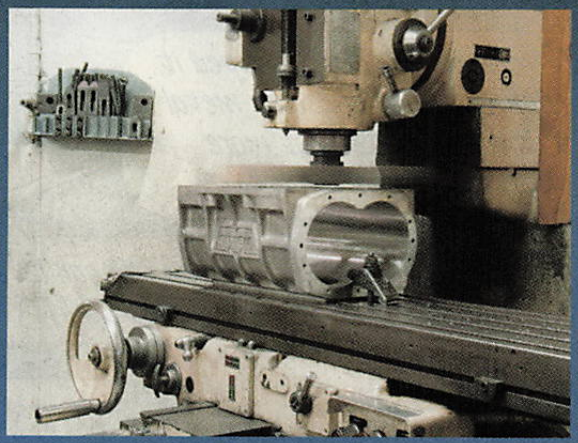
BACKYARD BUDDY™ MADE IN THE USA

www.backyardbuddy.com

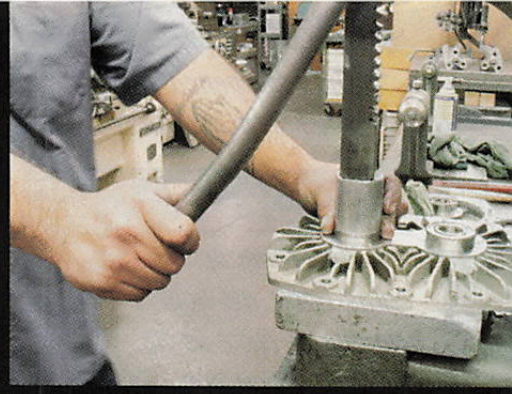
Sales and Tech Line: 800-837-9353 ***8am-5pm est.***

International Calls: (330) 395-9372 • FAX: (330) 392-9311 • 140 Dana Street, Warren, OH 44483

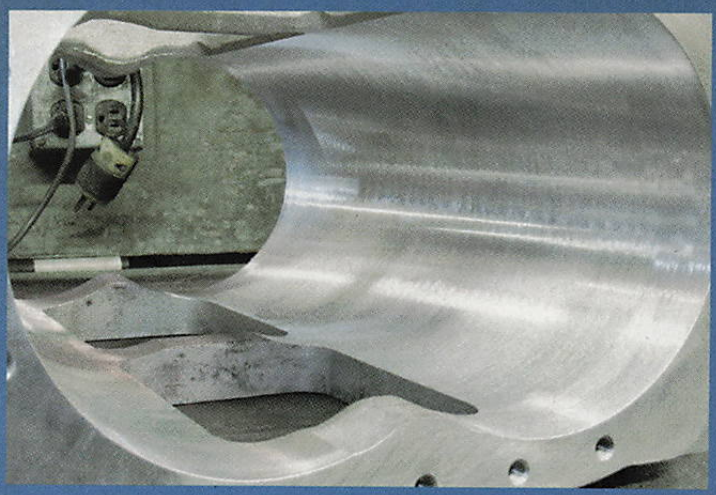
*MUST BE CREDIT QUALIFIED THROUGH PRIMARY LENDER • PRICES SUBJECT TO CHANGE WITHOUT NOTICE ©2004 BACKYARD BUDDY CORPORATION



(above) We start off the rebuild process by cleaning the housing to get all the grease and grime off. *(right)* Next, it's off to the mill for a quick fly-cut to ensure the base is absolutely flat.

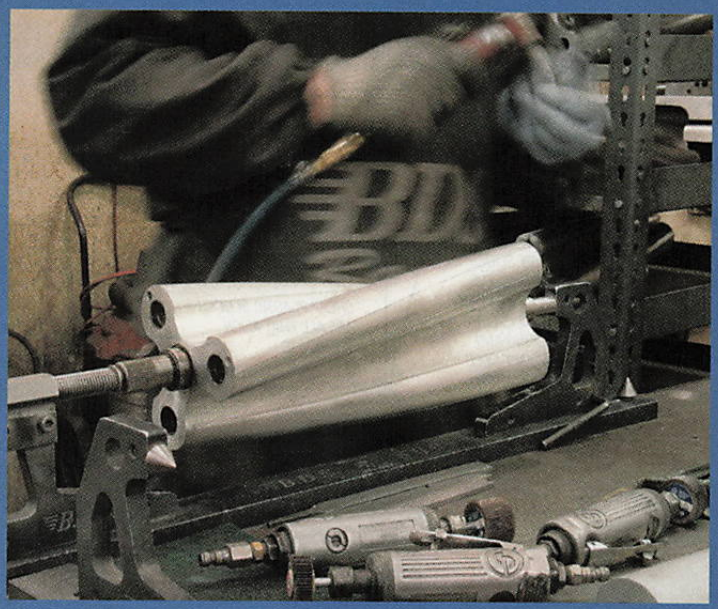


Javier presses in the rear bearings first, installing them from the rear of the plate. The front bearings are installed in the same manner.

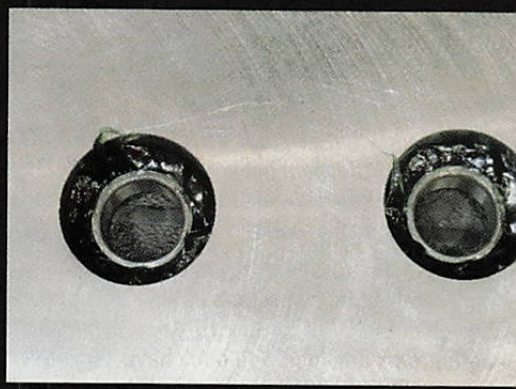


After a couple passes of the fly cutter, we removed about .005-inch; the rotor bores were honed to remove any nicks, scratches, or foreign debris.

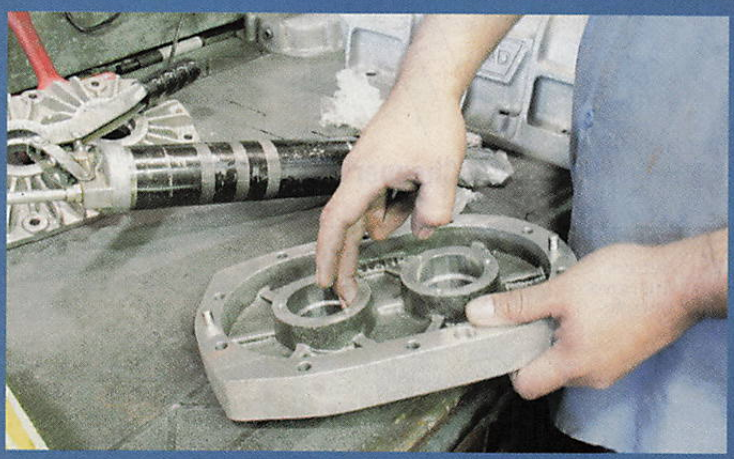
A sharpening stone is used to remove any nicks from the rotor surfaces of the bearing plates before installing the bearings.



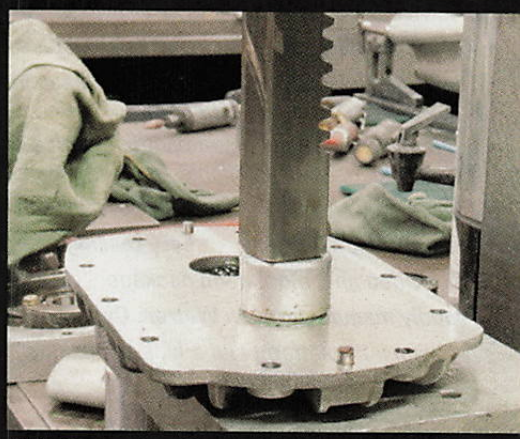
The rotors were then placed in a special jig that allows them to spin freely. Using a Scotch-Brite pad mounted to a DA grinder, all nicks, scratches, and gouges were removed to produce a flawless surface.



The rubber seals were removed from the bearings and discarded to allow the bearings to be packed with grease before final assembly. This will ensure that the bearings are properly lubricated and will greatly increase their lifespan.



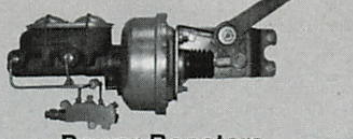
Now it's time to press the bearings and seals into the bearing plates. A light coat of grease is applied to aid in the installation and then it's off to the press.



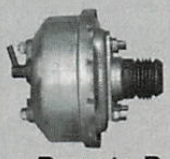
With the bearings installed and packed with grease, it was time to press in the seals. Once again, a light coat of grease was used as well as the arbor press.

GODMAN HI-PERFORMANCE

Brake Pedal Assemblies

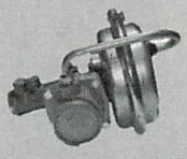


Power Boosters

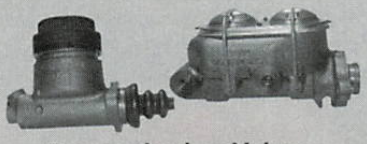


7" & 8"

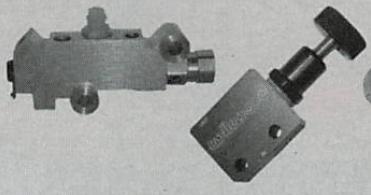
Remote Boosters



Master Cylinders



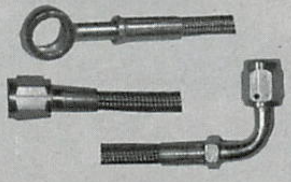
Proportioning Valves



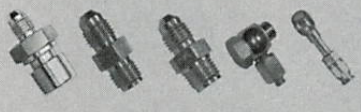
Residual Pressure Valves

2# & 10#

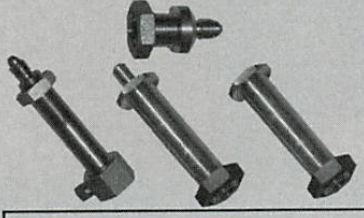
S.S. Braided Brake Lines



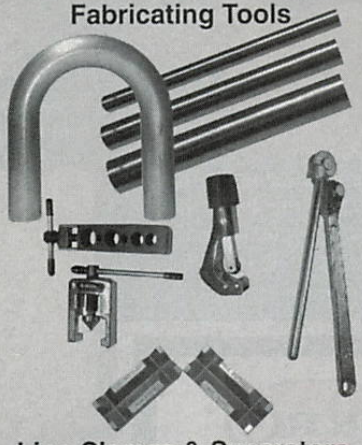
Brake Adaptor Fittings



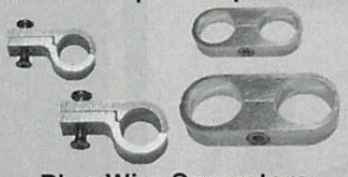
Thru-Frame Fittings



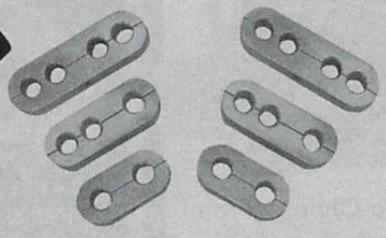
Stainless Steel Tubing & Fabricating Tools



Line Clamps & Separators

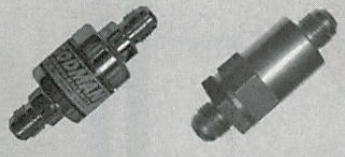


Plug Wire Separators

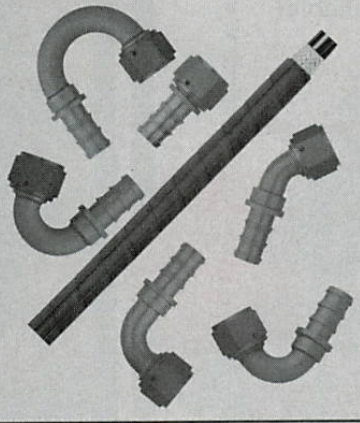


Weld in Bungs

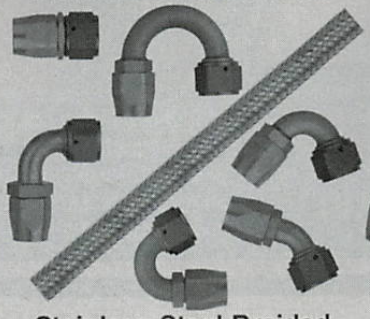
Fuel Filters



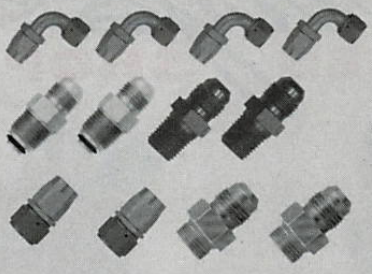
Socketless Hose & Hose Ends



Stainless Steel Braided Hose & Hose Ends Available in Red & Blue or Electroless Nickel

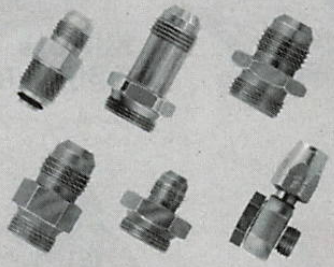


Stainless Steel Braided Hose Kits for Power Steering



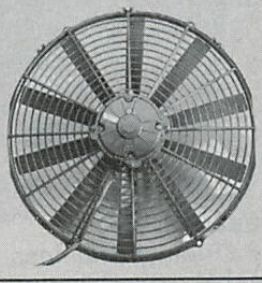
Carburetor & TPI Fittings

GM LT1, LT4, Fittings

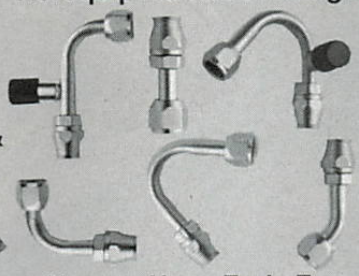


FORD EFI Fittings

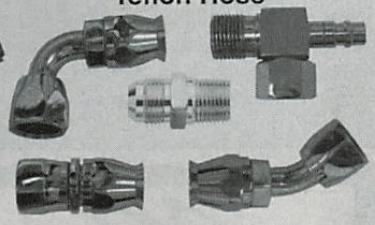
Spal Fans



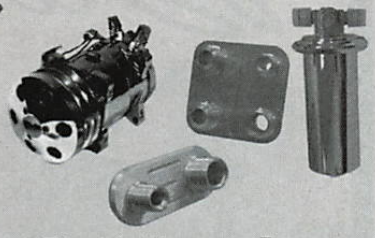
Aeroquip AC Hose Fittings



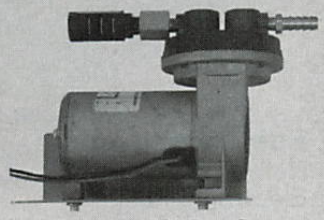
Chrome Hose Ends For Teflon Hose



AC Units, Compressors, Driers & more



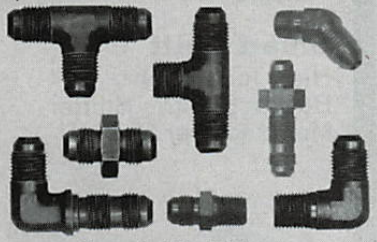
Electric Vacuum Pump



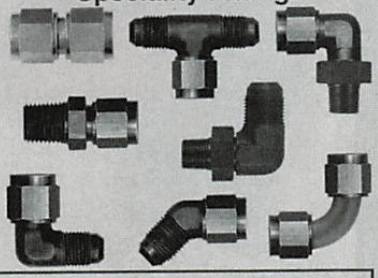
Setrab Oil Coolers

AN Fittings

(Available in Aluminum, Nickel, S.S., & Steel)



Speciality Fittings



Tech Line - 901-382-7404 Order Line - 800-456-2369 Fax Line - 901-382-2055

GODMAN HI-PERFORMANCE

5255 Elmore Road Memphis, TN 38134

Visit us on the WEB at

www.godmanhiperformance.com

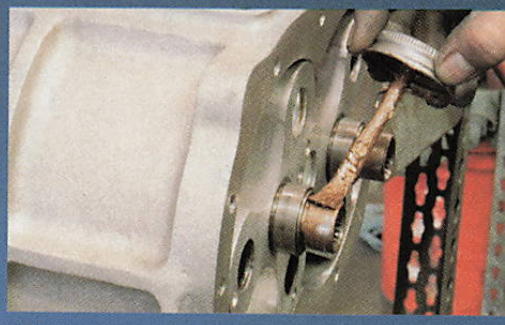
Aeroquip PERFORMANCE PRODUCTS

DISCOVER NOVUS VISA MasterCard

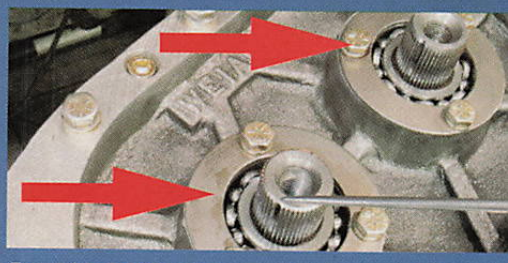
A thin bead of Permatex Anaerobic Flange Sealant was used between the blower case and the two bearing plates. This provides an excellent seal between the two surfaces to ensure absolutely no leaks.

With the bearing retainers bolted to the front bearing plate, it can then be attached to the housing. Once again, a little "persuasion" may be necessary to get the plate to slide over the dowel pins.

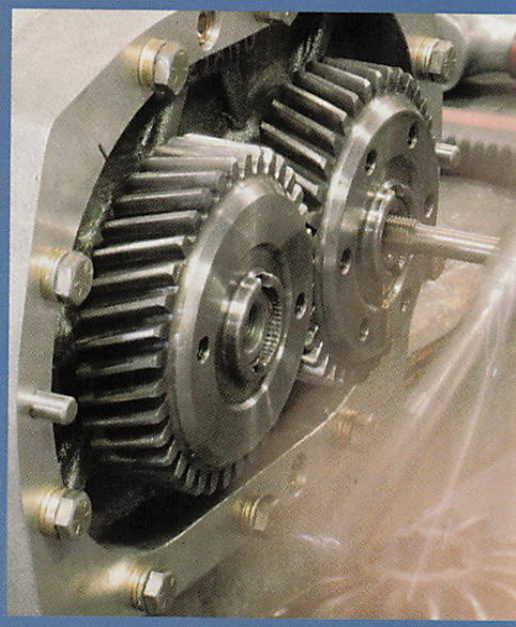
Now the rotors can be slid in through the back side and put up snug against the front plate.



A light coat of anti-seize was applied to the bearing surface of the rear rotors to keep them from galling.



From this photo you can see the groove on the splined end of the rotors both line up evenly to the left. You can see the two marks that indicate where the grooves lined up before disassembly on the top edge of the bearing plate. Remember that the rotors spin in opposite directions.



It's always a good idea to chase all threaded holes with the correct tap. If the gears are allowed to walk, the timing will be altered and may cause the rotors to come in contact with each other.

PROPER FOUNDATION

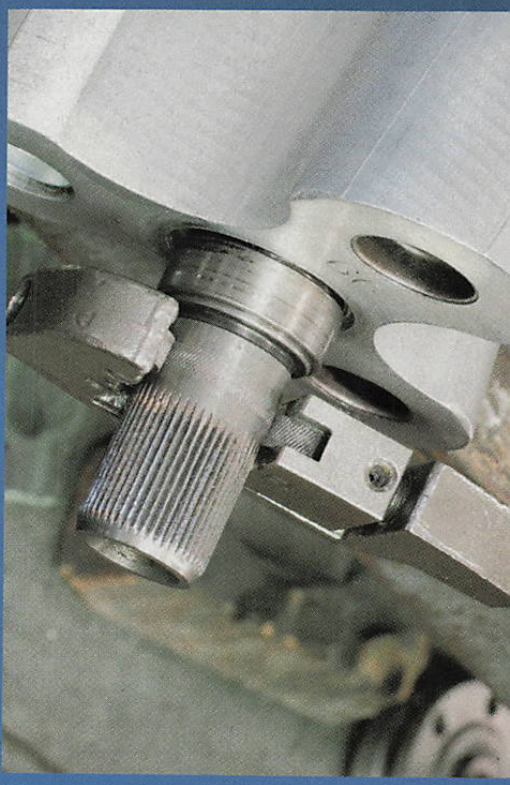
Laying the proper foundation for a long-lasting blower motor is the key to surviving the heat and added stress blower motors and their components are subjected to. We asked Blower Drive Service (BDS) to break down what the requirements were for a stout powerplant.

Starting with a freshly machined block in good condition is important. While two-bolt mains are acceptable for most mild applications up to about 7 lbs of boost, four-bolt mains are recommended for anything more. Steel crankshafts are recommended and should not be less than a 10/10 grind with both stock and 1/4-inch keys. Most factory rods with heavy-duty rod bolts are acceptable for mild blower systems up to 8 lbs of boost, while anything above 8 lbs should receive aftermarket, high-performance aluminum rods. All rods should be magnafluxed for cracks, shot-peened, beams polished, balanced, and bushed to size for full-floating pins. Forged, low-compression pistons are the best choice with full-floating pins and double Spiro locks or buttons. Lower-compression pistons enable the blower to produce higher blower boost for more low-end and midrange torque and allows the engine to run cooler and effortlessly when not under boost. Pistons with a higher compression ratio are not recommended because of over heating and excessive final compression ratios.

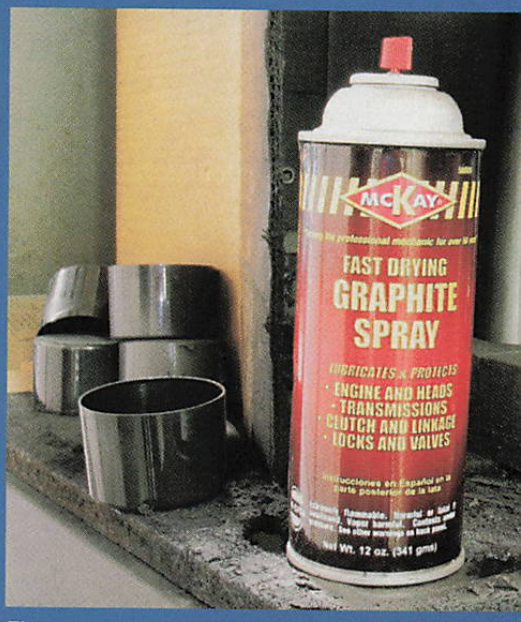
Factory heads work remarkably well in blower applications, while aftermarket heads provide even more performance. Heads in good condition typically only require a three-angle valve job and stainless steel valves are recommended, but porting and polishing is not necessary. Obviously, the secret to horsepower is cylinder-head airflow, but that doesn't always mean gigantic ports. The most important requirement for a blower motor is choosing the proper camshaft. This is one of those aspects where bigger is definitely not better. BDS offers a variety of cam specs ranging from mild to wild. Lobe centers for high-performance, high-revving motors can be in the 112- to 114-degree range, but the higher cylinder pressures create more heat that only motors using cooler burning fuels—such as alcohol and methanol—can survive. For a street-driven vehicle, 110-degree lobe centers will produce the best overall performance. The lift and duration of the cam you choose will depend upon the rpm range you wish your motor to perform. BDS recommends a hydraulic cam with .465-inch lift and 221 degrees of duration at .050-inch lift at the intake valve for a blown, street-driven small-block Chevy 350ci motor. These specs will give very good low-end torque, while still providing plenty of grunt up top. The maximum rpm for this cam will be around 6,500, which should be fine for the street. If more rpm is desired, a larger camshaft coupled with flat tappets, roller rockers, or full roller-cam setups are recommended.

With the short block figured out, it's time to move onto the fuel management, ignition, cooling system, and exhaust. According to BDS, "The overall performance of the entire engine package will be determined by the fuel-induction system." There are basically three choices when it comes to fuel

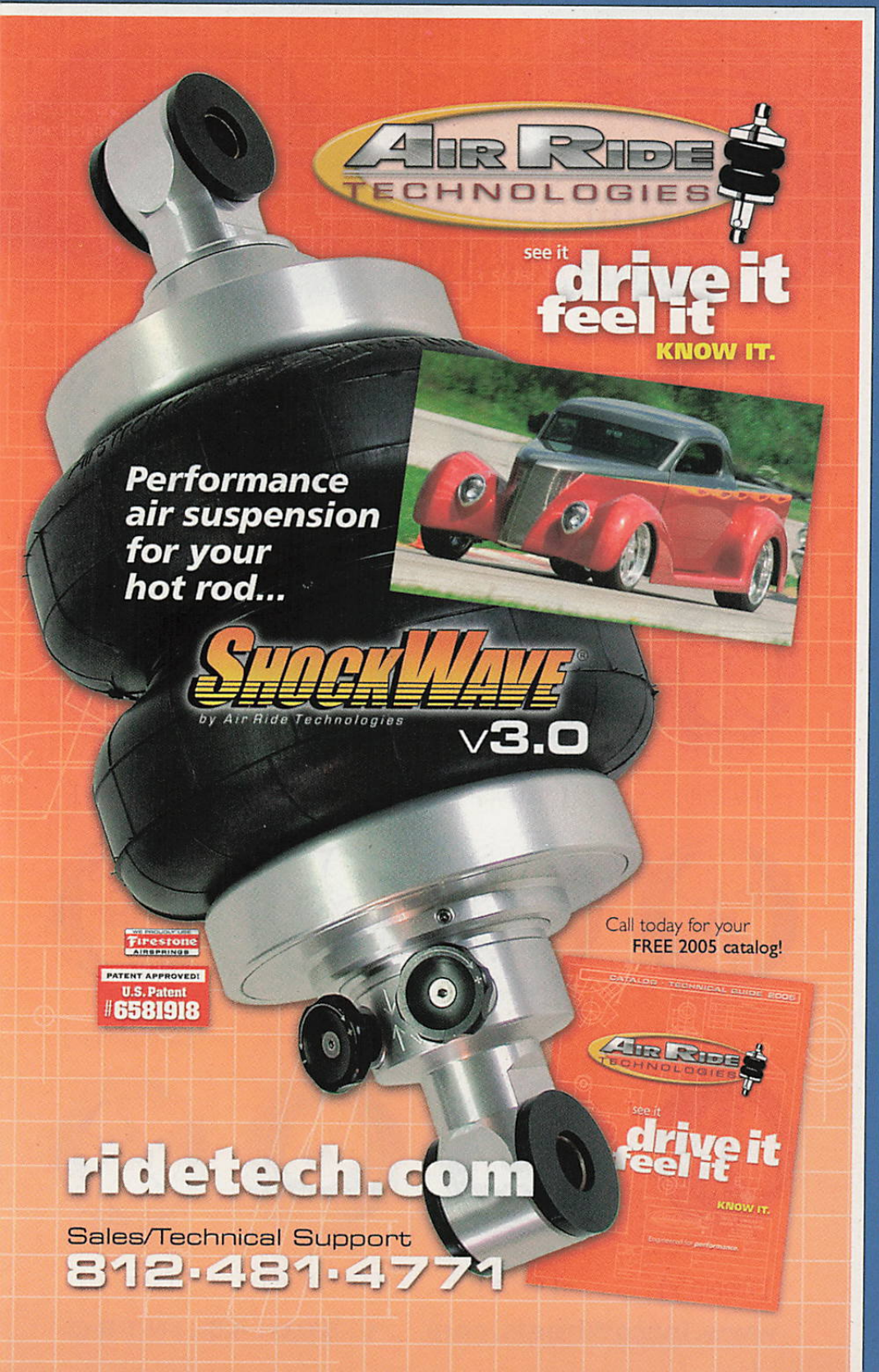
Once the gears are bolted to the rotors and everything is snug, a final check is performed. Rotor-to-housing clearance is checked, as is front and rear clearances. Clearance on a street blower is usually .007-.010-inch between the blower housing and the rotors and about the same for the front and rear clearances. The timing is also checked in a similar matter. Ideal timing for a street blower is a bit of an industry secret, but you usually want a bit more clearance between the lag side of the rotors. With the timing set, the rotors are removed one last time before final assembly.



A knurling tool was used on the bearing surfaces of each rotor to help avoid bearing spin. Bearing spin occurs when the rotor is able to spin inside of the bearing, instead of the rotor and bearing rotating as one. This causes additional heat and can lead to bearing failure.

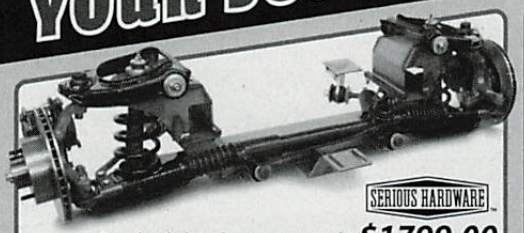


The rotors are sprayed with an aerosol graphite spray which helps protect them and reduce heat.

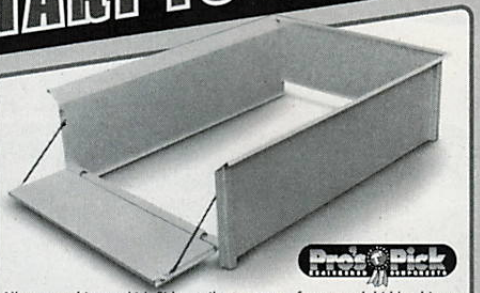


RBs

YOUR SOURCE START TO FINISH



Complete bolt-in front suspension kit **$1799.00**
For '37-'54 Chev cars & '47-'55 Chev trucks. Weld-in kits available $1699.00



All you need in one kit! Sides, tailgate, straps, front panel, hidden hinges, hidden latches, wood strips and hardware. The perfect bed for your truck! *Call us today for pricing.*

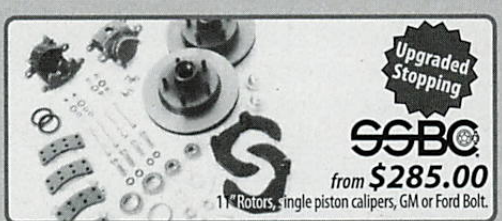
from **$178.57**
12" & 15" Street Rod shifter for GM, Ford & Chrysler

Tunes that sound great and are out of sight, literally with SECRETAUDIO. Keep all your audio equipment neatly tucked away. *Call for details & pricing.*

Bezel not available.

6 gauge set for '57 Chevy **$699.00**
Order Tetra Series for non-57 Chevy apps. $699.00

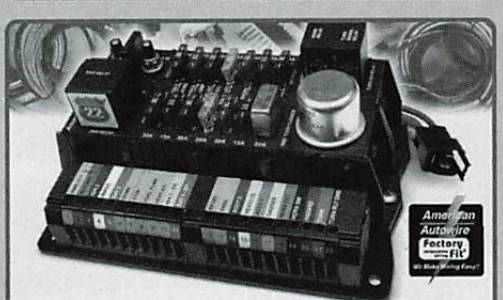
$1764.41
TH-700/4L60 (shown) Other GM, Ford & Chrysler transmissions available.



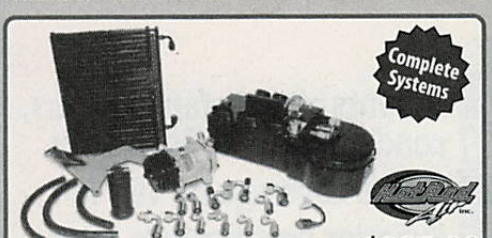
from **$285.00**
11" Rotors, single piston calipers, GM or Ford Bolt.

BORGESON
DD u-joints from **$68.00**
We stock plenty of u-joints & DD shafting.

Cruise control from **$210.00**
For computerize and carb. engines with your choice of control handle.



Highway 22 **$399.00**
•Headlight, ignition and dimmer switches •175amp Mega fuse panel protection •Self locking screw terminal panel power connections •Circuit labeled, GM color coded wire & much, much MORE.
Highway 15 $299.00



3 and 4 vent systems from **$825.00**
These kits include everything you need! Evaporator, condenser, compressor, compressor bracket, hose kit, drier, binary safety switch, controls, duct hose vents and instructions.

Show & Go ready **$6395.00**
Call us today for all the details & specs. on this great street rod engine.

All Major Credit Cards, Certified, Personal, Business Checks, and Money orders are accepted forms of payment. Sorry no COD's. **Prices are subject to change without notice.** *Most all items qualify for free shipping. All noncqualifying orders will be charged a min. $7.00 S&H fee. Contact an RB's Sales representative for full details.*

B&M
SSBC
American Autowire Factory Fit We Make Wiring Easy!!
custom autosound
SERIOUS HARDWARE
Grooms ENGINES
Hot Rod Air
Dakota Digital
BORGESON
Pro's Pick
Classic Instruments

RB's is Proud to carry the full line of these quality automotive products!

Free Shipping on orders of $500.00 or more!*

Inside find over 7,000 of the best parts from the best manufacturers.
RBs
YOUR SOURCE START TO FINISH
Order Hotline - 800.426.6607 or Shop Online - www.rbsauto.com
Outside U.S. & techline - 623.298.3380 • fax - 623.298.338 • e-mail - info@rbsauto.com

•Our catalog features a huge selection of parts for your Street Rod, Custom and Truck. Covering 1930's-1970's Chevy cars, trucks and Ford Trucks, Street Modified and Restoration parts.

•GET IT at www.rbsauto.com
Free Download • Browse online • Order a hardcopy

•Call toll free or shop online!
877.894.1056 | www.rbsauto.com

RBs

RB's Obsolete Automotive, Inc. • 7325 N. 109th Ave, Glendale, AZ 85307

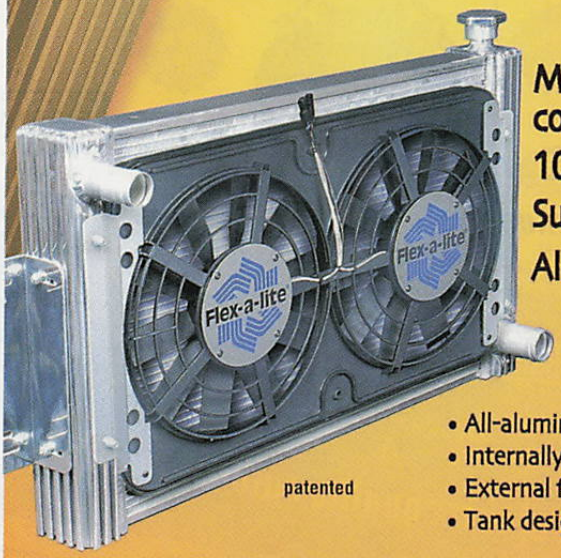
Catalogs are free of charge with a parts order, otherwise catalog orders will be charged a retail price of $7.00 . Catalogs may be purchased from our website for a discount price.

©2015 RB's Obsolete Automotive, Inc.

Once the rotors are dry, they are placed back in the housing, the rear cover attached just like the front using the flange sealant, and the timing gears. Everything is torqued to spec within the proper sequence and the rear bearing cover is bolted on.

Chill OUT

Flex-a-lite® RADIATORS & Flex-a-lite® ELECTRIC FANS



Mounts electric fans, coolers, condensers, overflow tanks
100% coverage by 180 fan
Superior heat transfer rates
All this, PLUS it looks cool!

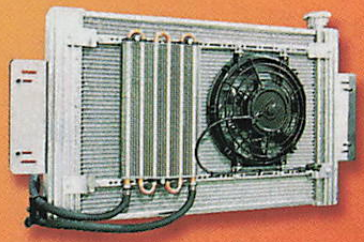
patented

- All-aluminum construction
- Internally finned to absorb added heat
- External fins increase radiant surface 300%
- Tank design makes for easy accessory mounting

Model 56210 ships with model 180 electric fan and custom mounting brackets
Model 56000 - radiator only
Model 210 - fan only

Front of radiator shown below with Model 112 Trimline fan, Model 4118 transmission oil cooler, mounting struts and brackets, all optional accessories for Flex-a-lite radiators.

Unique Flex-a-fit® tanks and mounting hardware make short work of attaching expansion tanks, electric fans, oil coolers, etc.



2-row core - all aluminum 1"/26 mm tube
1.5" inlet, 1.75" outlet
outlet tubes extend 2½" from tank

toll-free (866) 230-5904 www.flex-a-lite.com

delivery: carburetion, mechanical fuel injection, and electronic fuel injection. Carbs work very well in most applications, providing they have been blueprinted by a professional. Mechanical fuel injection provides greater performance and throttle response than carburetors, but can be quite temperamental and is recommended for race applications only. Electronic fuel injection offers the best of both worlds. Increased performance, along with the ease of tuning and maintenance, make EFI one of the most popular choices among aftermarket fuel-delivery systems. Like any high-performance motor, proper octane fuel is a necessity and is subject to the final compression ratio on that given motor. Standard 92 octane performance unleaded fuel can handle a final compression ratio of about 12:1.

Blower motors love advance in the ignition, and the ignition system and advance curve are very important to a blower motor's longevity and performance. Generally speaking, initial advance at idle should be set at 16-24 degrees, with the total advance of 32-36 degrees in by 2,500-3,000 rpm. Improper timing is a major factor of overheating in blown motors, so correctly setting the ignition timing is very important. Spark plugs should also be one or two heat ranges colder than the factory plug due to the higher cylinder pressures created by supercharging. While the ignition provides the fire, the radiator, water pump, and fan provide the chill. A free-flowing, unblocked, three core-or-larger radiator is a must for blown applications. Mechanical fans are acceptable in most cases, where as an electric fan coupled with a fan shroud can be even more effective. While a high-performance water pump may sound like a good idea, they are designed to work best in the mid- to upper-rpm ranges and therefore may not have adequate water flow at lower rpms to keep a blown motor cool. With all the air being forced into the motor from the blower, common sense says that all that air has got to come out the other end. Therefore, the exhaust is even more important in blown motors than their naturally aspirated counterparts. Small

STAINLESS STEEL GAS TANKS
FROM
THE GAS TANK PEOPLE

WE CUSTOM BUILD TANKS FROM DRAWINGS OR SAMPLES.

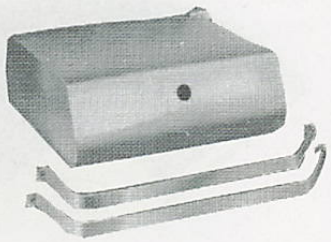
FORD	28-51
CHEVROLET	31-57
MERCURY	42-51
PLYMOUTH	33-34
LINCOLN	46-48
CORVETTE	53-67

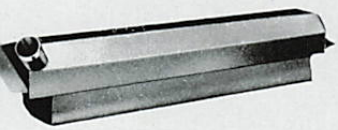
STREET RODS • CLASSICS
CUSTOM CARS • ANTIQUES

TUNED PORT INJECTION TANKS
ROCK VALLEY'S NEW T.P.I. OPTION

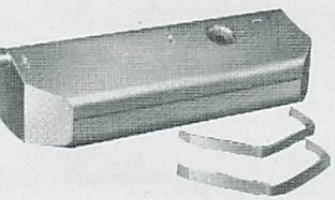
RUST

STAINLESS STEEL GAS TANKS FOR CLASSIC 55-57 CHEVROLET





STAINLESS STEEL GAS TANKS FOR 1953-67 CORVETTE



- Completely assembled, wired & ready to install
- Die stamped opening
- Stainless fuel pump stand
- Lock ring installation - with 'o' ring
- Easy fuel line hook-up
- Easy electrical hook-up
- New hi-pressure, hi-volume pump
- New filter
- Stainless fuel trap–prevents starvation
- Also T.P.I. kits are available for your present tank

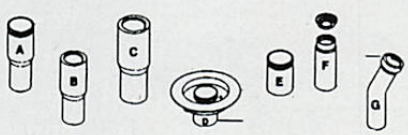
CUSTOM TANKS '20s TO '90s

A-C COBRA	LAFAYETTE
ALFA ROMEO	MERCURY
AUBURN BOAT TAIL	NASH
AUTO UNION - GERMANY	OLDSMOBILE
AIR FLOWS	PACKARD
BUICK	PONTIAC
CADILLAC	PLYMOUTH
CHRYSLER	PRO STREET CARS
DESOTO	PICKUPS
DODGE	PANEL TRUCKS
DURANT	REO
FIAT	ROLLS ROYCE
GRAHAM	ROAMER
GREAT AMERICA RACE CARS	STAR
	SUBURBANS
HUDSON	SALT FLAT CARS
JEEP - JAGUAR	STUDEBAKER
JORDON	SEDAN DELIVERIES
KAISER DARIN	T-BUCKETS
LINCOLN ZEPHYR	WILLYS
LINCOLN - CONTINENTAL	WHEEL TUBBED CARS

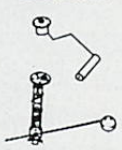
FUEL TANK ACCESSORIES

STAINLESS STEEL GAS TANK NECKS, CUSTOM NECKS

A. THREADED NECK
B. LOCKER NECK FITS FORD
C. LOCKER NECK FITS CHEVROLET
D. FLOOR MOUNT NECK
E. THREADED NECK
F. UNIVERSAL MINI THREADED NECK AND CAP
G. EARLY FORD NECKS



SENDERS



BALL CHECK

GAS CAPS

FITTINGS

GAS NECK HOSES

GET YOUR FREE BROCHURE

PROMPT DELIVERY

ROCK VALLEY
ANTIQUE AUTO PARTS, LTD.

MasterCard VISA

MEMBERS N.S.R.A.

Best New Street Rod Product of the Year

CALL US FOR INFORMATION AND PRICES.

IL RES. 815/645-2271 – 800/344-1934 – FAX: 815/645-2740
ROUTE 72 & ROTHWELL RD., BOX 352, STILLMAN VALLEY, IL 61084

NEW BLUE
By Nordskog

6 Gauge Universal Kit

'56-'56 Chevy & Truck
Direct Fit Panel Kit

New G Body Custom
Dash Panel

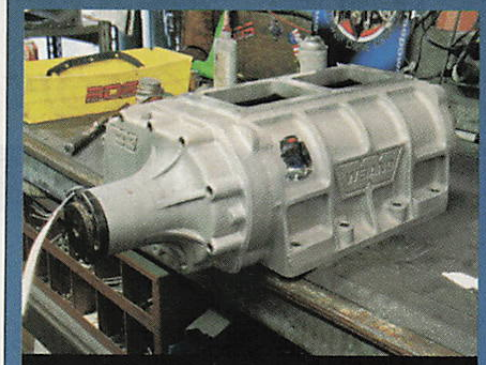
Patriot 6 Gauge Set

FEATURES
- one button recall, 0-60, ET and high speed
- available in blue, red, green, and amber
- lifetime warranty
- other styles available

CHECK OUT OUR COMPLETE
LINE IN OUR NEW CATALOG

NORDSKOG
INSTRUMENTS

Call today for a FREE catalog featuring our entire line.
714-991-9999
www.NordskogPerformance.com
MADE IN THE USA



Not much has changed from the outside, but the inside is definitely new and improved. This setup should be good for at least another 35,000 miles!

exhausts can be restrictive and cause excessive back pressure, robbing the engine of power and causing additional heating problems as well as unusually high boost readings. Large, free flowing exhausts and headers are the recommended choices of the pros. Keep in mind that every circumstance is slightly different, so a little bit of experimentation may be necessary. Blower motors can make gobs of horsepower but can also be very streetable if a little bit of planning and forethought is put into the project.

WHAT NOT TO DO

Now that we've discussed what *to* do when building a blower motor, let's talk about what *not* to do and what to be aware of when tuning up your blown motor for the first time. One common misconception is that blown motors run hot. That's not necessarily true. A correctly tuned blown motor will run just as cool as a normally aspirated motor will if set up correctly. The biggest problem in blown applications is excessive heat. In an internal-combustion engine, two things generally cause excessive heat: retarded ignition timing and lean carburetion. Many factors, such as compression, blower drive ratio, engine load, and fuel octane, determine what the timing will be, but a general rule for a blown motor is about 26 degrees initial with 32-36 degrees total at 3,000 rpm. Retarded timing ignites the air/fuel mixture closer to maximum compression than advanced timing, which results in hotter temperatures. A lean situation can be as simple as adjusting the air/fuel screws, or as complex as reprogramming the fuel map on an EFI setup, every application is slightly different. Both of these two situations often times show themselves in the form of red-hot exhaust pipes and higher-operating temperatures. Another common misconception is that blown motors won't idle smooth enough to be reliably street driven. Usually, these situations are the result of incorrect cam choices, a severe vacuum leak, improper ignition timing, or improperly adjusted carbs or fuel injection.

A blower is a fairly simple device with only a few moving parts. They are relatively self-sufficient and require very little maintenance when properly installed and prepared. The only maintenance necessary is the checking of the oil in the end plates that lubricate the bearings with 90-weight oil. There are a few things to keep in mind when installing a blower for the first time. It is very important to tighten the blower to the manifold in a staggered pattern (i.e. front right, rear left, rear right, etc.). Turn the rotors by hand as the blower is torqued down to avoid tightening the blower incorrectly and binding the rotors. If any resistance is felt, back the bolt off and start the sequence over, slowly tightening each individual bolt evenly. Once they are relatively tight, torque them to the manufacturer's specs in the same sequence. Bolting the blower down using this process will avoid warping the housing and causing premature wear to the rotors and bearings. Over-tightening the blower drivebelt is another common mistake. The drivebelts don't need much tension; you should be able to push the non-idler side in about 3/4-inch or so. A lot of people will over-tighten the belt to adjust the amount of "whine" the blower puts out, which puts added pressure on the drive snout and manifold bolts. This extra tension can cause the blower housing to warp, break free from the manifold, cause premature wear in the rotors and bearings, and put added stress on the drive pulleys. A properly setup blower should last the life of the motor. SR

BLOWER DRIVE SERVICE
12140 E. Washington Blvd., Dept. SRM
Whittier, CA 90606
(562) 693-4302
www.blowerdriveservice.com

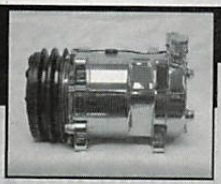
Old Dog Street Rods

11435 Dorsett St. Louis MO 63043

Chrome Alternators

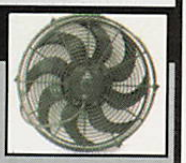
80 amp starting at $79.95
100 amp starting at ..$96.95

Air Conditioning Compressors (NEW)



Standard 134A ...$175.00
Polished 134A $215.00
Chrome 134A $258.00

ZIRGO Fans



16" S-Blade 3300 CFM $109.95
14" S-Blade - 2670 CFM $99.95
16" Straight Blade 2700 CFM $62.95
14" Straight Blade 2383 CFM $54.95

MUSTANG II RACKS

Manual Racks(rack only) $144.95
Manual Racks w/tie rod ends, bushings and bolts $172.95

Small Block Chevy Waterpumps {NEW}

Small Block Chevy Short ..$74.95
Small Block Chevy Short Supercooler ..$86.95
Polished Alum SBC Short & Long ..$89.95
Polished Alum BBC Short & Long ..$119.95

AutoLoc

BEAR CLAW (Large) $39.95
INSTALL KIT (Large) $19.95
BEAR CLAW (Small) $39.95
INSTALL KIT (Small) $19.95
HOOD LATCH $45.00

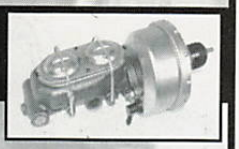
Rotors with bearings and seals

$129.95 pair

Chrome Starter

Chevy MINI 1.6, Straight bolt pattern, 153 or 168 .....$149.95

Combo 7" Booster & Dual Master Cylinder



with left & right side outlets ..$139.95

MII Spindles

Stock .....$175.00 pair
Dropped .....$215.00 pair

Headlights

Snake -Eye or Tri-Bar headlights..... $59.95

Hot Rod Headlights with turn signal

paintable $125.00
chrome $140.00

Upper Control Arms

$70.00 each

California Style Mirrors

w/wedge ...$64.95

HAYWIRE Wire Harness

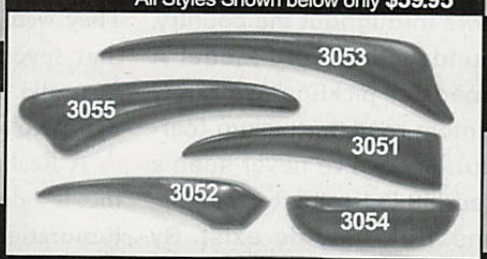
E SERIES - 19 Circuit ..$195.00
PRO T - 7 Circuit $130.00

Strut Rods

$79.95 pair

Arm Rest by Smart Parts

All Styles Shown below only $59.95



Lower Control Arms

$60.00 each

MAIN STREET ROD CO.

MAIN STREET ROD CO. Chrome Billet Power Steering Caps

Smooth, Finned, Ball Milled, Flamed, Drilled $24.95

'23

"T" Tub with door
2" wider & 4" longer with floor
....$779.00

'23

40" Pickup bed $495.00
30" Pickup bed $295.00
20" Pickup bed $195.00

'27

Roadster Pickup/Lakester w/doors...call for other options $695.00

Billet Specialties
Walker Radiator Works Inc.
Total Cost Involved
idiidit Hot Rod Stuff
Flaming River
Lokar
Vintage Air

Phone (314)291-7637 Fax (314)770-2277

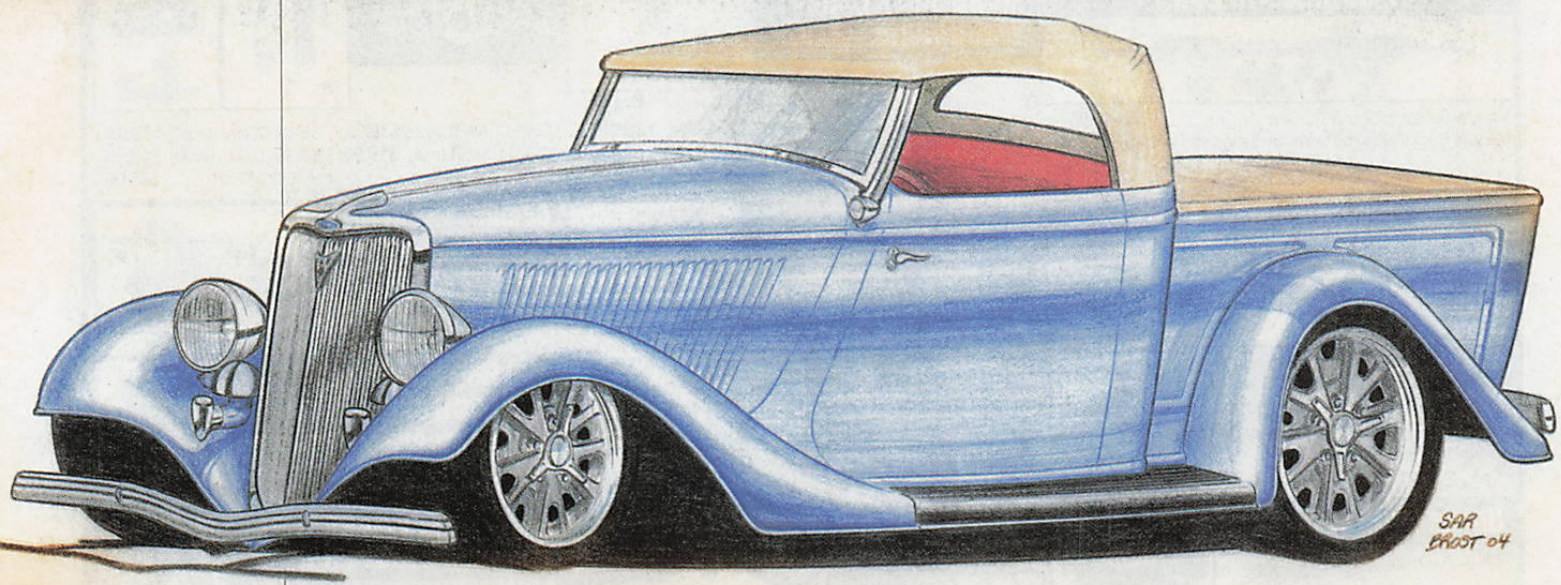
www.olddogstreetrods.com

BY D. BRIAN SMITH & JAY HARDEN | PHOTOGRAPHY BY STEVE'S AUTO RESTORATIONS

tech

WHAT YOU SEE IS WHAT YOU GET

a real steel '33-'34 ford roadster pickup cab



After getting feedback from *Custom Classic Truck*'s feature editor and his father on what the pickup should look like, Dave Brost, of Steve's Auto Restorations, rendered the '34 Ford roadster pickup.

Traveling to shows throughout the country, we see an abundance of Ford Model A and '32 Ford roadster pickups. We rarely see a '33-'34 Ford phantom roadster pickup (car-bodied roadster pickup). And we've never seen a real commercial bodied '33-'34 roadster pickup, except in photographs. But, they do exist. By commercial body, we refer to the '33-'34 Ford truck grille, hood, fenders, doors, bed, and other truck body panels that were used. According to Jim Wagner, author of "Ford Trucks Since 1905," the Ford Motor Company manufactured 347 roadster pickups in 1934.

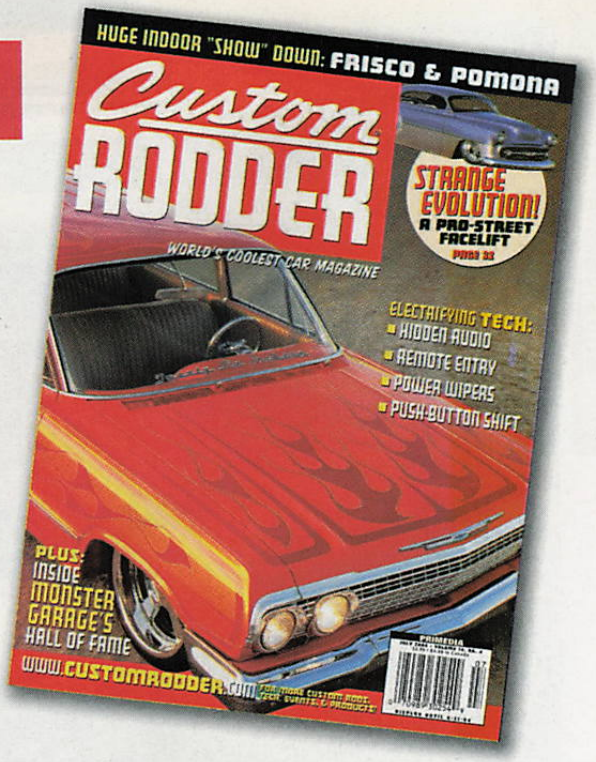
Also in 1934, Ford of Australia began building coupe utilities, or Utes for short (see *STREET RODDER*, August 2005 for the first look). Utes were the first Rancheros, in which the bed and cab were one piece. They had the art deco-influenced car grille and flowing coupe/roadster fenders, first penned by the talented British-born Ford automotive designer, Gene "Bob" Gregori. Aussie Ford Utes were available either with folding roadster tops or as closed cabs. They were an instant hit Down Under; so much so that several automotive manufacturers based in Australia and New Zealand still offer present-day Ranchero and El Camino variants.

A Real Steel '34 Ford roadster pickup? Real Steel Inc. is a division owned and operated by Steve's Auto Restorations (SAR), in Portland, Oregon. SAR is a multi-faceted professional shop that specializes in transforming automotive dreams into reality. SARs owner, Steve Frisbie, nurtured his love for all things automotive in his father's service station. Given Steve's passion, experience, knowledge, and expertise with vintage automobiles in general, and the '33-'34 Ford roadster in particular, we knew SAR would be the place to create the '34 Ford roadster pickup cab.

To give the roadster pickup an aggressive street rod look, we needed a shortened, hot rod-style bed, which would be in proportion to the graceful '34 roadster car-styled cab. We investigated several vintage pickup bed manufacturers, and learned that Pro's Pick, in Fergus, Ontario, Canada, manufactures custom-length pickup beds to order.

For the Post '48 custom rod enthusiast

Do it for FUN, Money, Or GLORY



SUBSCRIBE TODAY & SAVE 26%!

It's not just about history. It's about making history. It's about the future of your hobby, not the past. ***CUSTOM RODDER*** Magazine doesn't tell you what a custom rod should be. We show you. With the best photographs, the best features, and the best cars around.

You'll meet the top builders from all around the country who have discovered the untapped potential in post '48 iron. You'll get hard-hitting real tech — and no fluff. Detailed how-to articles with step-by-step photos and instructions written for both the novice and advanced customizer.

Subscribe to *CUSTOM RODDER* now and get one year — 6 big issues for only $17.50 — a savings of $6.44 off the cover price.

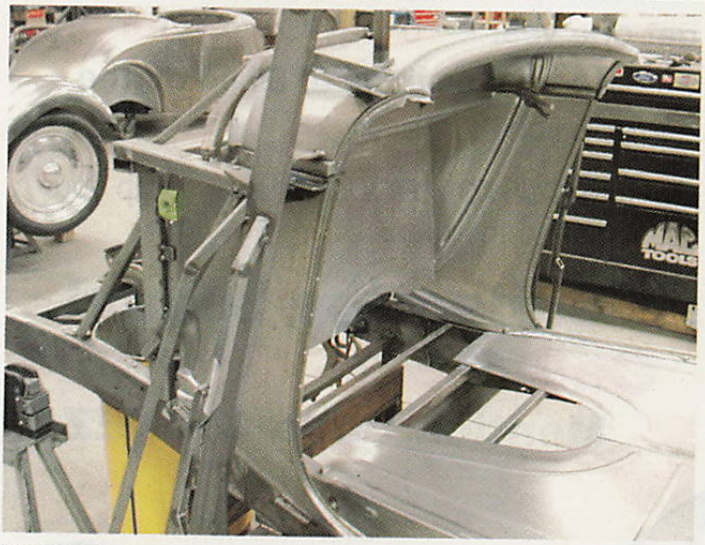
Get into ***CUSTOM RODDER*** and rev up your "cool dial" to the max.

Subscribe today!
Call 1-800-759-1824
Mention Code A56NEZ

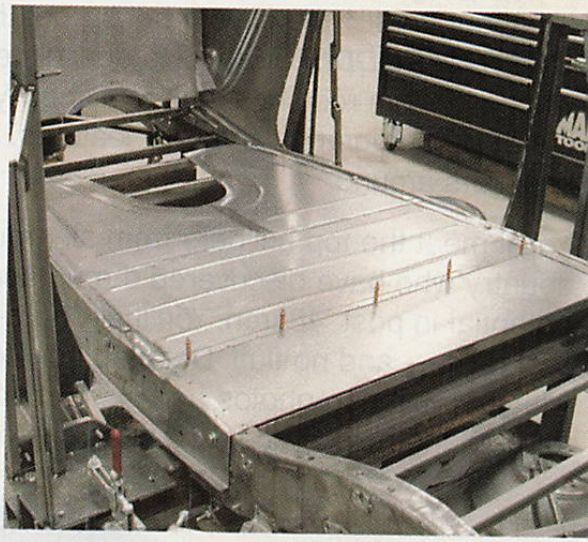
www.customrodder.com

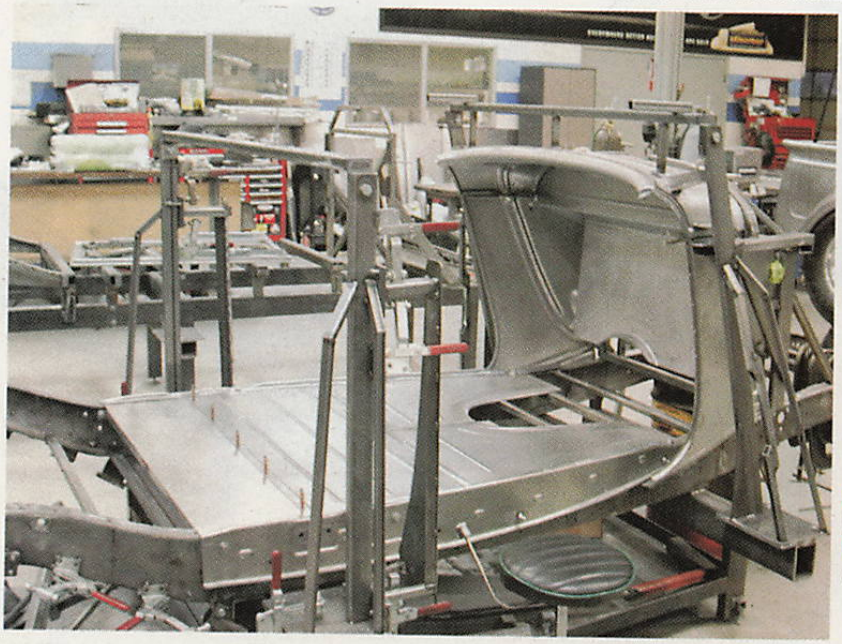
Canadian orders add $15 per year (includes GST), all other foreign orders add $20 per year. All payments must be in U.S. Funds.

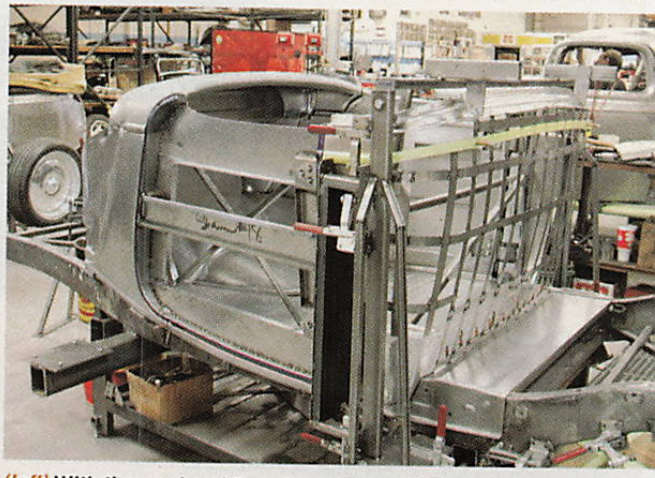
In virgin steel, the roadster pickup cab and bed appear even more artful than Dave's rendering. Find out how SAR's talented crew crafted the drop-top truck by reading on.



(left) Positioning the cowl top and sides exactly is crucial to correctly fabricating the roadster pickup cab, because much of the body is aligned to the cowl top and sides. *(right)* SAR next installed the front half of the cab's floor and the sub-'rails in the body fixture.







(left) With the cowl and floor in position, SAR's technicians began to construct the doorframes. *(above)* Once the doorposts, doorframes, and rear cockpit reveal were in place, SAR began to shape the rear cab wall.

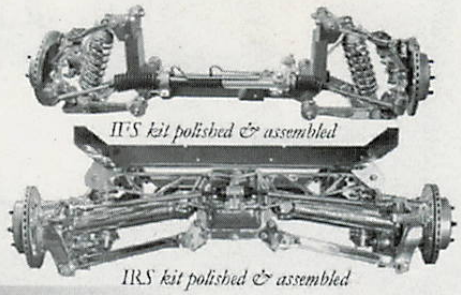
Chevs of the 40's

The world's most complete supplier of 1937–54 Chevrolet Cars & Trucks

We have you covered!

Underneath...

Now you can have the ride, superior handling, cornering and braking provided only by the advanced technology built into the Corvette suspension. Our quality kits adapt C-4 Corvette **front & rear Independent** suspensions to your classic Chevy car or truck, front or rear ...$710–$850

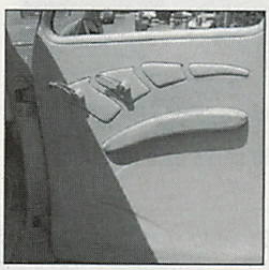


IFS kit polished & assembled

IRS kit polished & assembled

Not only will this suspension improve the stance, ride and handling of your vehicle, but you get the stopping power and ease of maintenance with four-wheel disc brakes. Plus, this setup allows you to use an all-GM steering system and not one designed with light-weight use and economy in mind. Order **Aldan Eagle Shocks** with your system. Aluminum housing, adjustable spring rate and compression dampening. Order standard, polished housing, chrome springs or both....$399–$534/pair

On the inside...



***New!* Universal Door Panels** from Chevs & RodDoors. You can cover these panels with your own material or theirs. Matching arm rests, door pulls, consoles and headliners available. Starting at $159/pair.

Design your interior in your style and finish it yourself with...

...**Arm Rests** and **Door Pulls** to match door panels...$20–$79 set

...**Bucket or Bench Seats** ready to bolt to your original track or our optional risers. Available covered in the upholstery of your choice or uncovered with pretrimmed foam. Starting at $395.

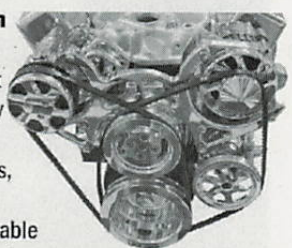
...**Interior Fabrics** by the yard. Available in Premium Tweed, UltraLeather and UltraSuede, each with more than 50 color choices. $32–$149/yard.

...**Center Consoles**...$99...**Truck Overhead Consoles**...$69...**Truck Headliners**... $149-199

...**Underdash Panels**...$59-89...**Steering Column Covers**...$69

Under the hood...

Polished Billet Aluminum from Chevs of the 40's



Everything from full engine front end serpentine and v-belt pulley kits to polished engine dress pieces such as billet air cleaners, valve covers and breathers. The v-belt front engine kit is comparable to the other well-known systems for a lot less money. TBI has taken the same approach as the serpentine systems but made it with v-belts instead. This give a great look for hundreds less. The TBI system starts at just $1350 ea. Of course we still have the great serpentine systems from March and Billet Specialties!!!

Matching Billet Aluminum products from Billet Specialties:

Air Cleaners, round or oval...$100–$150

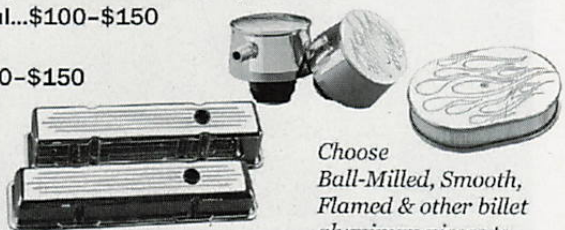
Radiator Caps ...$20

Various Billet Pulleys...$50–$150

Valve Covers...$80–$250

Choose from many styles for small & big block Chevy applications. Available in short & tall heights. They are a quality die-cast aluminum polished to Billet Specialties' high standards and each design is CNC-machined in house.

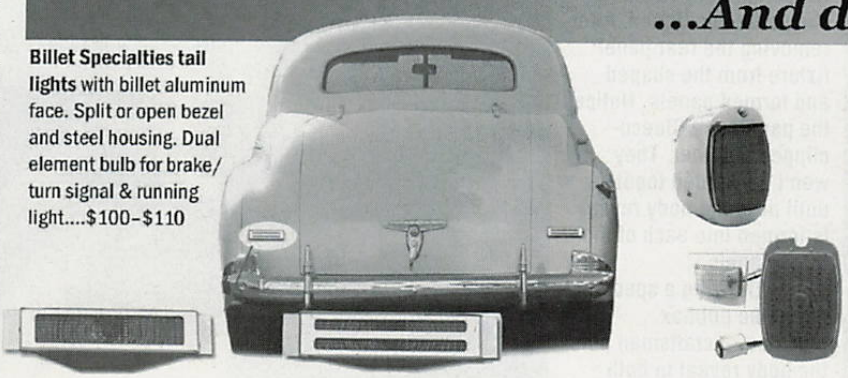
Breathers...$30–$35



Choose Ball-Milled, Smooth, Flamed & other billet aluminum pieces to finish off your engine. Call or visit our website to see how well-dressed your ride can be!

...And down the road!

Billet Specialties tail lights with billet aluminum face. Split or open bezel and steel housing. Dual element bulb for brake/turn signal & running light....$100–$110



Increase your classic Chevy's visibility with **LED Tail Lights.** Less current draw than a standard filament bulb with quicker lighting time. Update to new technology with a classic, stock appearance and minimal cost. Replacement as a complete housing or just the lens itself. Lens plugs directly into your stock socket.

Drivers' side red LED replacement lens with white LED license light...$39.75

Passenger side red replacement LED lens...$27-29

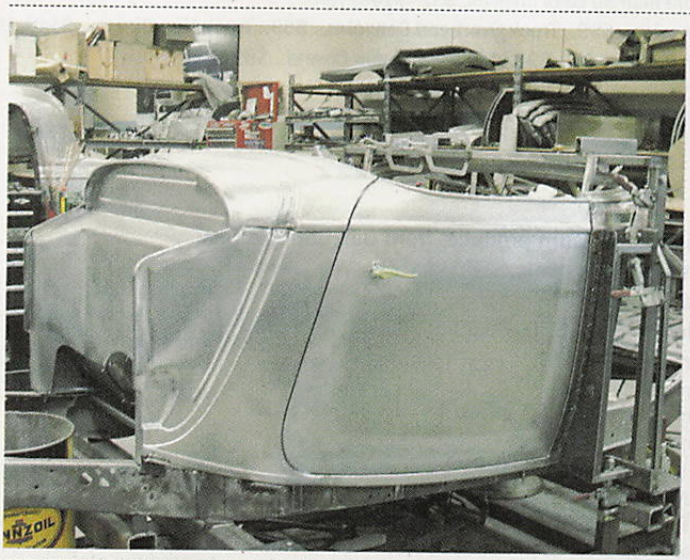
Complete reproduction housings available in black, chrome or stainless finish. Order with red LED tail light and white LED license light...$49.75-51.75 or complete housing with red LED lens only...$35.75–$42

Dept STR

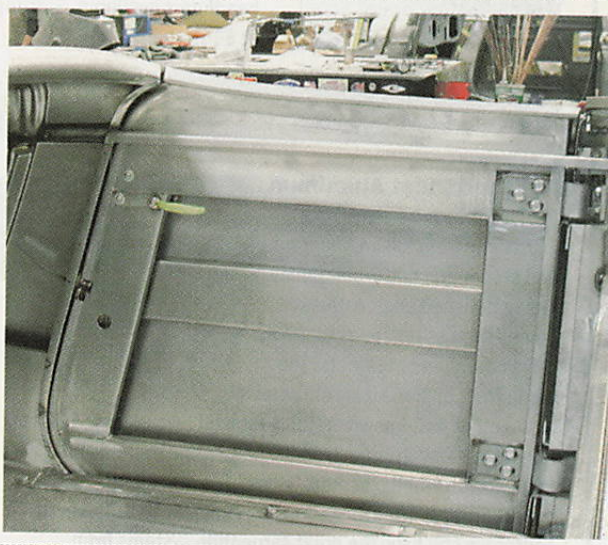
www.chevsofthe40s.com • 1-800-999-CHEVS (2438)

All the restoration parts you *need* — all the street rod parts you *want*!

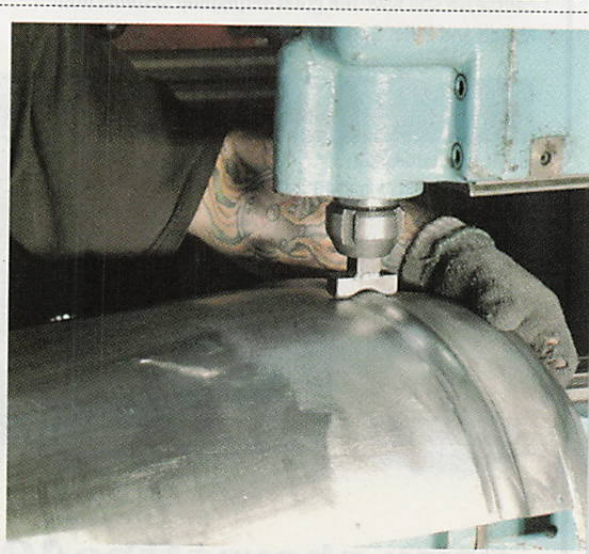
To achieve the proper contour of the rear lower cab corners, SAR's craftsmen trimmed and shaped foam blocks, which would serve as a template for forming the corners in metal.



(left) SAR employees skinned the doors with sheetmetal first so the cab sides behind the doors matched the contour of the doors and sides. *(right)* To avoid any future alignment problems, SAR's fabricators welded the doors, floor, and cowl fully into place before shaping the rear cab wall and the rear cab corners.



(left) The crew used lime green tape to determine where the body reveal should be positioned, after removing the rear panel fixture from the shaped and formed panels. Notice the panels are Cleeco-clipped together. They won't be welded together until after the body reveal is formed into each of the three panels. *(right)* Utilizing a special die in the pulmax machine, a craftsman puts the body reveal in both rear cab corners, as well as the rear cab wall.



Jim Weimer ROD GARAGE

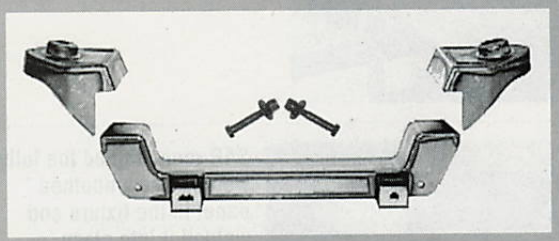
Highest Quality Parts & Knowledgeable Service

Call or email for your Free Catalog Today!
920-994-8787
info@jimweimerrodgarage.com

Visit The NEW Garage at:
jimweimerrodgarage.com

N 515 Hwy 57
Random Lake, WI
53075

Mustang 2-IFS Kits



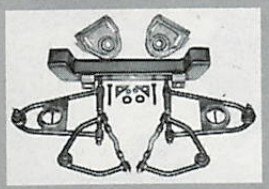
Laser cut
quality steel 3/16"
T.I.G. welded - spatter-free
No need for harsh grinding
Use with stock 74-78 Mustang 2 or later power racks.
Kit comes with rack bolts & instructions.
Free strut rod brackets upon request .

Kits for Car Applications
1928-48 Ford
1929-54 Chevy
1933-38 Mopar

Kits for Truck Applications
1928-60 Ford
1935-59 Chevy
1939-47 Mopar

Other kits available. Call with your needs.
All Kits: $299 + $20 shipping
Add $50.00 for welds finished sanded

Crossmember A-arm Kits also available-$709 total!
Includes:
Mustan 2 kit
Upper tube arms
Lower tube arms
Hardware
Save $50 & free shipping!



VISA DISCOVER MasterCard AMERICAN EXPRESS

Brake Kits

G.M. or Ford "Big Brake Kit" 11" Rotor $239/kit + $25 sh.
9" rotors with bearings & seals $80/pr. + $15 sh.
Mustang II Calipers with pads & hardware $10/pr. + $20 sh.
11" rotors G.M. or Ford bolt pattern $100/pr. + $20 sh.
G.M. calipers with pads & hardware $100/pr. + $20 sh.
11" G.M. caliper adapter $69/pr. + $5 sh.
Bearing & seals $18/pr. + $4 sh.
Spindle nut set $15/pr. + $4 sh.
9" rotor caliper bearings & seals hardware $190/kit + $25 sh.

Wilwood Valves
10 lb. & 20lb.
$19.95 each

Tubular Upper & Lower Control Arms

Tubular
Lower Spring
Strutless A-arms
$250/pr. + $10 sh.

Tubular Upper A-arms with
Tee Bolts
$210/pr. + $10 sh.

Made in USA using 1" DOM.
Seamless tubing, 3/16" wall
Complete with ball joints, bushings and hardware
A-arm available as stock width or 1" narrow

Also Available
Tubular Lower Coil-over Strutless A-arms
$230/pr. + $10 sh.
$ave $10 when you buy a full set:
2 uppers & 2 lower A-Arms

Specials!

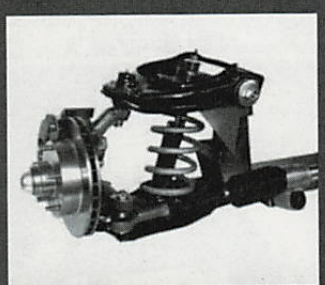
Steering Racks
Standard Manual Rack (new)
82-88 T-Bird Power Rack (rebuilt)
Manual Rack $165 + $10 sh.
Power Rack $165 + $10 sh.
Standard tie rod end $29/pr. + $4 sh.
1" longer tie rod end $29/ea. + $2 sh.
2" longer tie rod end $29/ea. + $2 sh.
Rack bolt set $8/set + $2 sh.
Rack bushing set $14/set + $2 sh.

Motor Mount Crossmember
$60 + $10 sh. With Mounts $75 + $10 sh.
Fits Small Block, Big Block Chevy,
Small Block Ford will work with stock frames

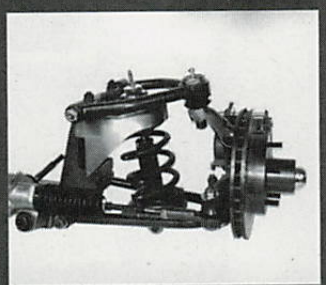
Rear Deck/Trunk Lid Support
No springs, stainless hardware
No hydraulics, positive locking
Simple installation, one-touch operation
8"Travel $48
12" Travel $49
16" Travel $50
Plus $5 shipping

Mustang 2 Hub-Hub Kits

Kits Include:
Crossmember kit
Power or manual rack
Tubular or stock A-arms
Spindles (stock)
Coil springs (painted)
Shocks (painted)
11" brakes
(GM or Ford bolt pattern)
Bolts & hardware
For coil-over shocks add $200



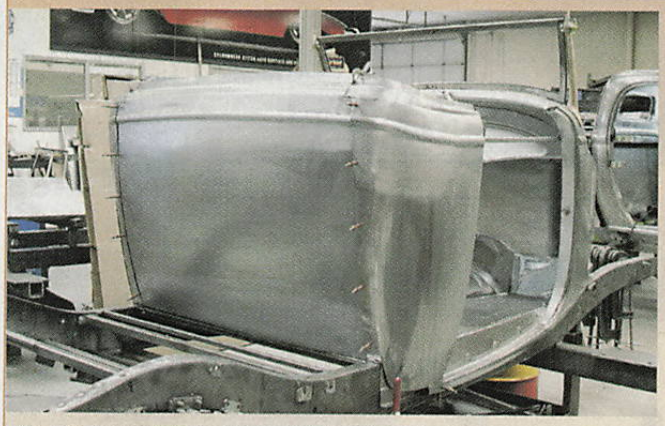
Stock A-arm kit $1,320



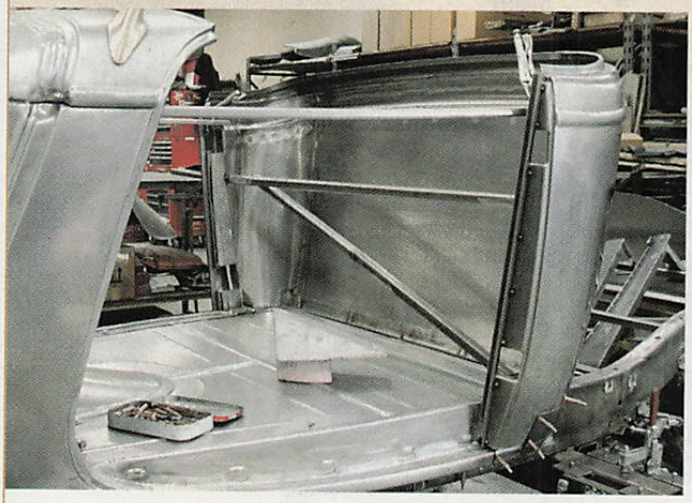
Tubular A-arm kit $1,520

Free Shipping to lower 48 states!

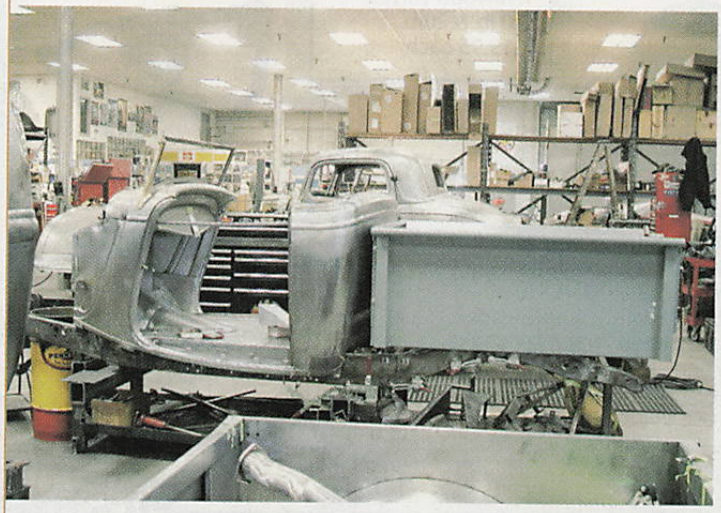
All Dealer Inquiries Are Welcomed!



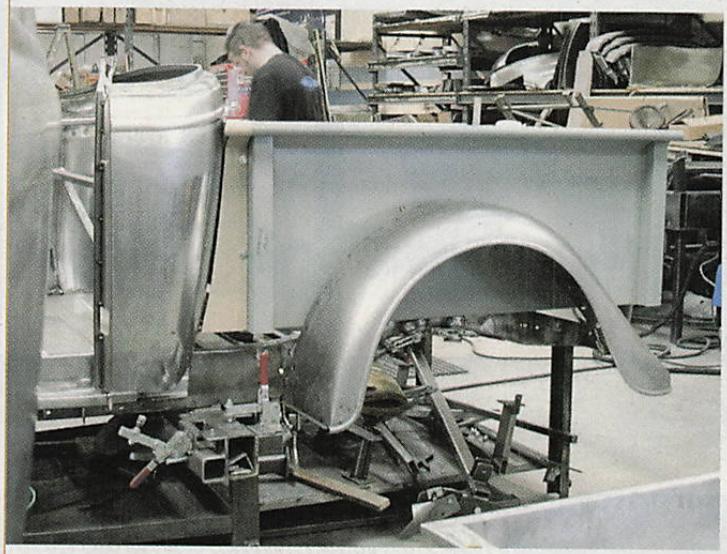
Held in place with Cleeco clips, SAR repositioned the three panels on the body to check their alignment before being welded together.



SAR repositioned the fully welded and smoothed panel in the fixture and welded it into place.



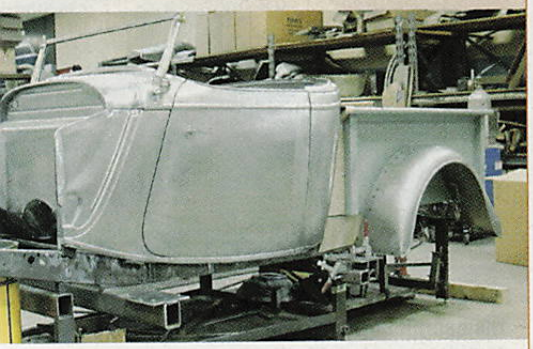
With the construction of the roadster pickup cab complete, SAR put together the custom-length Pro's Pick bed and installed the bed on the '34 frame. Pro's Pick beds can be ordered with custom-length bedsides. SAR determined that the roadster pickup bedsides should be 54 inches.



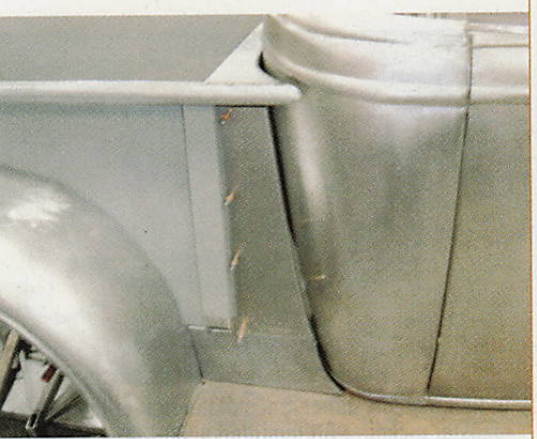
To blend the two forms together, SAR clamped a rear fender in place and began forming cardboard templates.

CHASSIS ENGINEERING INC.
Forged Axles, Spindles and Steering arms for Time Tested Durability
...40 years of tradition from C.E.
Front end kit #FK-3540 shown.
New Forged Spindles: Original, 43/4" or 41/2" bolt pattern with disc brakes!
Everything you'll need to install it too!
FREE Catalog
SWAY BARS. FRONT SUSPENSION KITS. REAR END MOUNTING KITS. ENGINE & TRANSMISION MOUNTING KITS. BRAKE PEDAL KITS. DISC BRAKES AND MORE! 1934-57 CHEVROLET. 1933-34 DODGE-PLYMOUTH. 1928-48 FORD. 1939-48 MERCURY. 1948-52 FORD PICKUP EXPANDED PRODUCT LINE FOR 1948-54 CHEVROLET P.U.
phone 319 643 2645 fax 319 643 2801
www.chassisengineeringinc.com.
Chassis Engineering Inc.
Box 70, West Branch, IA 52358
OR SEE YOUR LOCAL DEALER

SAR trimmed the cardboard template until the filler piece flowed nicely with the curvature of the cab.



To achieve the proper look, they also decided to graft extensions to the bedrails.



The temporarily Cleeco-clipped filler piece creates a pleasant transition between the cab and the bed.

Before welding the piece fully into place, SAR tack-welded the bedrail filler panel to check its shape and fitment.

Get around, cruise in style.

There is passion built into every car you create. This is the same with every column we build. Smaller vehicles don't have the space for larger tilt columns, there is a solution, actually 5 of them. The "Deco", Roadstar 1 & 2, "Classic", standard straight column and standard straight column with shift. From the most basic to a fully featured model there is surely one to fit your vision, your creation, your style. Contact us today with your specific needs.

ididit INCORPORATED™

Renovate your ride.

For an authorized ididit dealer contact www.ididitinc.com or call (517) 424-0577

©2005 ididit Inc., Tecumseh, MI

All Steel Roadster
19 gauge, CR 219 zinc coated, patented steel.

Production Line Car
Over 20 quality control engineers oversee the fit and finish.

The Frame
Uses Speedway Motors "Boxed Truss" design (patent pending). The most rigid frame on the market.

Finish
Beautiful, custom PPG paint, "Posies Red".

Chrome Accessories
4" drop, I-beam axle, Curtis-style radius rods, tube shocks and more.

Carpet
100% premium wool.

First Time OFFERED

Wheels and Tires
15" steelie wheels with baby Moon-style caps and trim rings.Two sizes of BF Goodrich™ wide white, radial tires.

Leather
Highest quality for unsurpassed comfort. Custom dyed to achieve the luxurious color.

1940's Dash
Found on high end hot rods built during the '40's and '50's.

Act Now-Signature Series
FIRST YEAR PRODUCTION WILL BE LIMITED TO 48 UNITS, (FOUR PER MONTH), SHIPPED AS BOOKED.
NO EXCEPTIONS. F.O.B. LINCOLN, NE. M.S.O. SUPPLIED.
INTRODUCTORY LIMITED PRICE $49,874.00.

AMERICA'S OLDEST SPEEDSHOP

SPEEDWAY MOTORS

STREET ROD CATALOG

FREE CATALOG

Thousands of superior quality street rod items at your fingertips!

EVERYTHING IS IN STOCK!

$5.00

AMERICA'S STREET ROD SUPER MARKET
www.SpeedwayMotors.com • 402-323-3200 • CATALOG #232

AMERICA'S OLDEST SPEED SHOP®

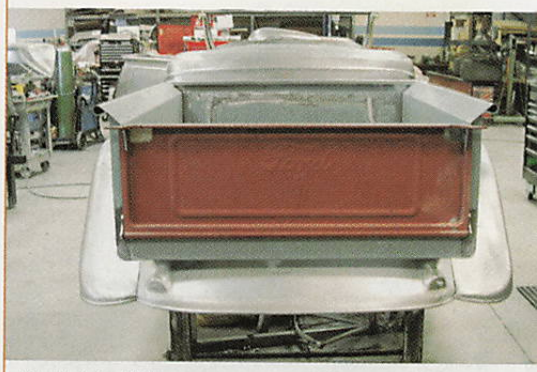
SPEEDWAY MOTORS, INC.
FAX: 800-736-3733
340 VICTORY LANE, LINCOLN, NE 68528

402-323-3200
USE SOURCE CODE 5429

www.SpeedwayMotors.com

To most efficiently graft the filler pieces, SAR removed the bed from the rear of the frame.

The bedrail now hugs the curvaceous cab and provides a custom fit. We also procured the bedrail extension stock from Pro's Pick.



To finish off the appearance of the rear of the roadster pickup, SAR modified a '33-'34 coupe/roadster fuel tank cover to fill the vacant space between the two rear fenders.

Since the truck would look more like an Aussie roadster pickup than one of the 347 commercial bodied Ford roadster pickups, we needed to obtain steel coupe/roadster fenders. Specialized Sheetmetal, in Clayton, Ohio, stamps '33-'34 fenders and sells to pro shops across the U.S., including SAR.

While we lined up the necessary components to go with SAR's first '33-'34 Ford roadster pickup cab build, Steve commissioned one of his craftsmen, Dave Brost, to create a rendering of the truck. The stylized drawing would serve as a blueprint to proceed—and proceed they did. The SAR crew isn't as fast as Ford's '30s assembly line, but they're abundantly more creative and talented. Follow along in words and photos to see how Steve's Auto Restorations worked bare-metal magic with 19-gauge sheetmetal. SR

PRO'S PICK
390 Beatty Line, Dept. SRM
Fergus, Ontario, Canada N1M 3R7
(888) 701-8881
www.pros-pick.com

SPECIALIZED SHEETMETAL
6295 Hoke Rd., Dept. SRM
Clayton, OH 45315
(937) 604-9966

STEVE'S AUTO RESTORATIONS INC.
4440 SE 174th, Dept. SRM
Portland, OR 97236-1381
(503) 665-2222
www.stevesautorestorations.com

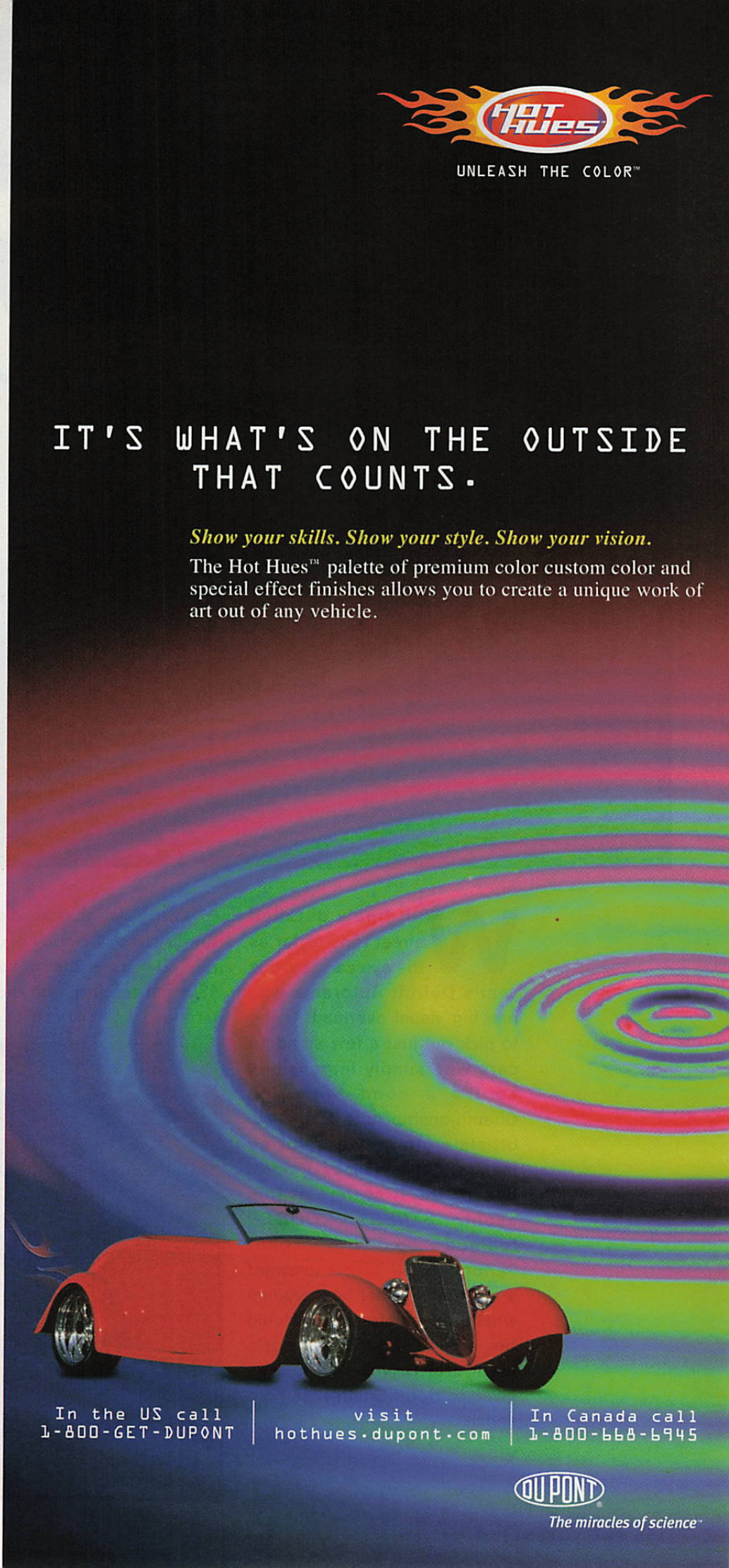
Although this '33-'34 Ford roadster pickup is the first of its kind—and finally seeing the light of day—hopefully it won't be the last one built. If you're interested in having one in your garage, you can contact Steve's Auto Restorations.

HOT HUES
UNLEASH THE COLOR™

IT'S WHAT'S ON THE OUTSIDE THAT COUNTS.

Show your skills. Show your style. Show your vision.

The Hot Hues™ palette of premium color custom color and special effect finishes allows you to create a unique work of art out of any vehicle.



In the US call 1-800-GET-DUPONT | visit hothues.dupont.com | In Canada call 1-800-668-6945

DUPONT
The miracles of science™

2 PACK

BY JASON WALKER | PHOTOGRAPHY BY BRIAN BRENNAN

DETROIT AUTORAMA

norm smith's '48 stands the test of time

Bob Briggs and Charlie Drewey of the Doghouse Garage out of South Lyon, MI, did an amazing job smoothing the '48's body and applying the bright yellow paint. Body mods include a clean shave, hand-punched louvers, and one-piece door glass.

With finely detailed street rods as far as the eye can see, this year's Detroit Autorama was one big visual overload. Trying to pick out just a few standout cars was simply impossible, so it's a good thing the Championship Auto Show Inc. officials offer awards for so many different classes of rides, but for the first time at this event, *STREET RODDER* teamed up with Lokar Performance Products to award a car that we feel best typifies what a driven street rod should be all about. This year's inaugural Driven Award was given to Norm Smith's '48 Ford sedan.

What makes this car so special isn't the fact that Norm has owned it for 30 years, or the fact that the '48 is put together with the right parts to stand the test of time. What makes it perfect for this award is the fact that Norm has spent the last 30 years driving the wheels off her. Every summer Norm and his better half enjoy

Norm's '48 features a super clean interior with the dash full of Dakota Digital gauges, a Vintage Air unit, an ididit steering column with a Lecarra wheel, and a beautifully stitched dark-brown cloth interior by Laird's Upholstery of Plymouth, MI.

HOTRONICS™

The Industry Leader In Quality Innovative High Performance Electronic Products.

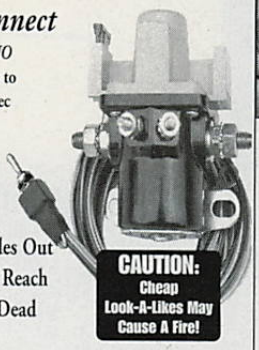
www.HotronicsProducts.com

QUIK FLIP MASTER BATTERY DISCONNECT

Master battery disconnect

Mechanical latching device, requires *NO* power to keep engaged! Installs in-line to battery cable, carries 600 amps for 30 sec and 100 amps continuous.

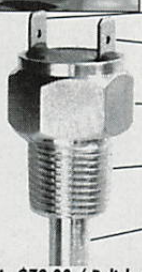
- Mounts In-Side (or) Out Side
- Retains Clock And Computer Memory
- Momentary Toggle Switch Hides Out Of Sight But Is Never Out Of Reach
- Prevents Battery From Going Dead
- Good Anti-Theft Device
- Promotes Safe Working Conditions



$99.00

ELECTRIC FAN SWITCH

The only real cooling fan switch designed for Street Rod & Performance vehicles

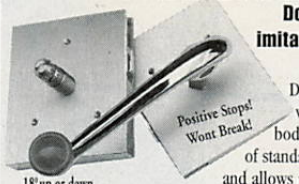


- Absolute grounding system
- Choice of temperature 180°-195°-210°-220°
- Machined Aluminum, Satin or Polished finish
- Choice of thread sizes 1/2 NPT or 3/8 NPT
- Direct temperature sensing from engine coolant

Plain $79.00 / Polished $89.00 • Includes 40 amp relay pak

POWER WINDOW SWITCH

Don't be fooled by cheap imitations, ask for Hotronics™ by name



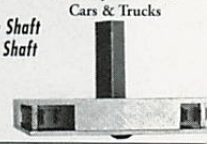
18° up or down activates switch

Designed to work ALL power window motors. The switch body is less than half the thickness of standard power window switches and allows placement of the handle at any angle that suits your needs.

Spline shafts for Classic Ford & Chevy, Cars & Trucks

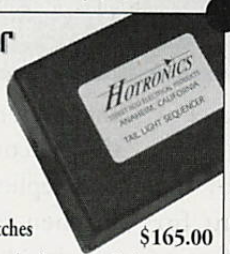
$89.00 ea. Square Shaft
$99.00 ea. Spline Shaft

3/8" square shafts for early American Cars & Trucks



Made in the U.S.A.

Tail Light Sequencer



- Flashes 3 tail lights per side
- Sequencing arrow effect of (3) bulbs
- Speed adjustments from slow to fast
- Both turning directions in one unit
- Simplified wiring
- Works with all brands of columns and switches

$165.00

Hotronics LS-6 Tail light sequencer is built to duplicate the lighting actions of the Cougar and Thunderbird of the late 60's. each light comes on in sequence and stays on until the last bulb flashes. Apply brakes and each side sequences out from the center. Built for 3 bulbs per side or groups of LED's. Hotronics design does not over-load control switches with extra bulb loads. Requires no relay wiring! Converts your tail lights on many of today's cars into a awesome light show. Adjustable sequencing rate. Connects to all 12 volt signal bulb wiring systems, works from any brand of column or switches.

SELF CANCEL TURN SIGNALS

- Adjustable run time 20 sec. - 2min. max
- Manual cancel for lane change
- Signals cancelled by time
- Brake circuit separation
- 4-way Hazard Flashers
- Attractive toggle switches
- Front and rear indicators
- Side to side cancellation
- Also available in mini push button
- Fits in all fuse panels, 12 volt neg. ground systems

Handles Halogen Bulbs!

Finally, turn signals that won't stay on even if you forget!

$175.00

No Load Flashers For LED Tail Lights

With the growing popularity of LED's (no bulbs) in tail light designs and the use of small motorcycle lights as signals, comes the problems with standard 552 type turn signal flashers not able to flash.

$35.00

- Easy plug-in installation
- Replaces 552 flashers
- No heat generating resistors or extra bulbs spliced into wiring
- Works with all brands of fuse panels & signal switches
- Reliable extra long life solid state design never heats up
- Available in adjustable models for custom signal effects

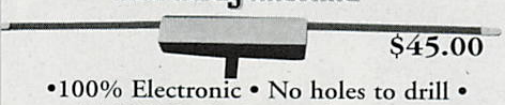
PG-3 Works with both LED and BULB applications

INTERIOR DELAY

- Adjustable time delay
- Fits all fuse panels 12 volt neg. ground
- Compact design with sturdy ABS case
- Switches power or ground
- Ignition de-activated NO GLARE
- Handles 10 amp lighting loads

$62.00

Hide Away Antenna



$45.00

•100% Electronic • No holes to drill •
• AM/FM Built in signal amplifier •

UNIVERSAL REMOTE CONTROL

Opens your doors, rolls down windows or opens your trunk with the simple push of a button

$99.00

- Two transmitters
- 4 channel operation
- 200ft operating range
- Many universal applications
- Fits all 12 volt fuse panels

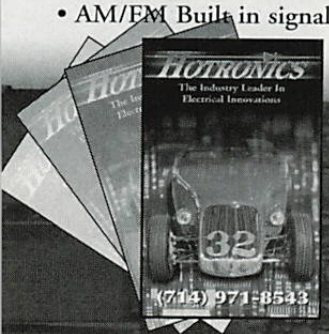
HIGH POWER ACTUATORS

Smooth Electric Screw Drive
No Messy Hydraulic Fluid to Leak or Hoses to Hide!

Popular uses:
Power trunk lifts, convertible tops, rumble seats, tilt hoods, beds and covers, one piece front ends, gullwing doors, power windows, suspension ride height control, and parking brake tension control.

From **$198.00**

LOAD RATING	STROKE LENGTH
1000lb.	4" - 8" - 12"
250lb.	4" - 8" - 12"
75lb.	2" - 4" - 6"



SEND $4.00 FOR OUR LATEST CATALOG
Cash, Money Order, Check

HOTRONICS™

VISA MasterCard AMERICAN EXPRESS DISCOVER

1916 S.Robert Ln., Anaheim, CA 92802
(714) 971-8543
www.HotronicsProducts.com

Prices are subject to change without notice. Shipping & handling is extra.

2 PACK

Thanks to the fine folks at Lokar Performance Products for sponsoring this cool award, and sending their own Rich Craze *(on the far left)* to help *SRM's* esteemed editor Brian Brennan hand over the *Driven Award* to Norm Smith and his '48 Ford.

cross-country trips to numerous car shows (pulling a 20ft trailer by the way), as well as cruising around their home in South Lyon, Michigan, every weekend and more than a few days a week. It may be hard to see in the photos, but Norm's '48 has more than 180,000 miles showing on the odometer—now that's driven!

Another cool part of the Detroit Autorama event for Norm was a reunion of sorts between he and his fellow car club members. Celebrating their 50th year at the Autorama seemed natural, but what made that even more amazing was the display constructed in the form of a replica of Norm's mother's kitchen table where the first official club meeting was held on March 3, 1955. Here's to wishing Norm and his '48 another 30 years of happy cruising.

(top) Power is supplied by a tried and true 302ci Ford small-block hopped up with Ford 351ci Cleveland heads, an Edelbrock intake, carb, and valve covers, as well as a well-built Ford C4 transmission. *(right)* Here's a close-up look at the *Driven Award*, and yes, it is as heavy as it looks. Lokar gets a very special thanks for coming up with such a beautiful trophy consisting of fine crystal and carved billet with Lokar's signature shifter to boot.

BITCHIN PRODUCTS

Bitchin Parts for *Bitchin* Cars & Trucks

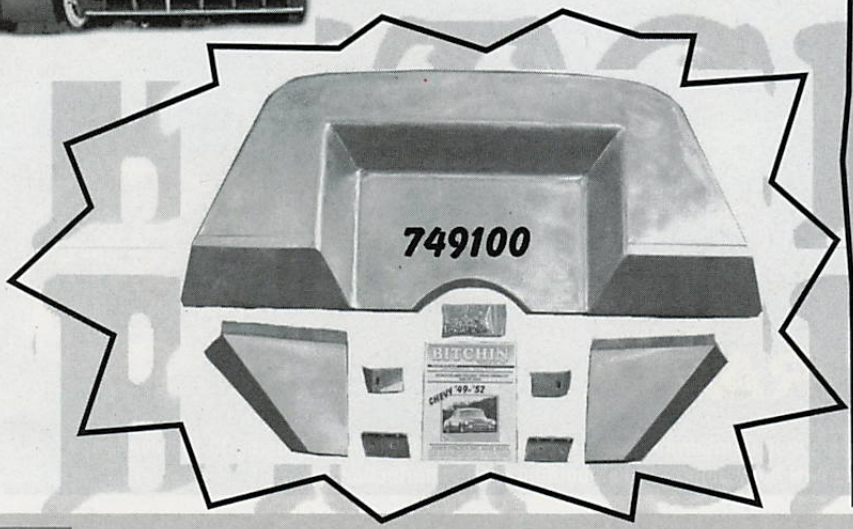
The Leader In Production Steel Sheet Metal Parts for Hot Rods

MORE NEW PARTS

WE NOW HAVE FIREWALLS & FLOORBOARDS FOR 49-52 CHEVY PASS CARS. ALSO '54-'57 PASS CARS. SOON WE WILL HAVE '55-'59 CHEVY PICKUP PARTS...

OUR PARTS ARE DESIGNED FOR THE DO-IT-YOURSELF RODDER. EASY TO INSTALL...

'49-'52 CHEVY FIREWALL



ALL PURPOSE FLOOR KIT

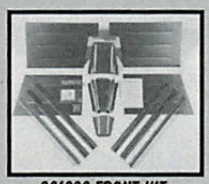
PERFECT FOR '49-'51 MERC'S, EARLY MOPAR'S, SHOE BOX FORDS AND CHEVY'S, PRE '37 CHEVY'S, DARE TO BE DIFFERENT CARS. 60" WIDE & CAN BE FIT TO ALMOST ANY VEHICLE.

ALL PURPOSE FLOOR KIT

FITS MANY MODELS...

CALL FOR DETAILS

901035 REAR KIT

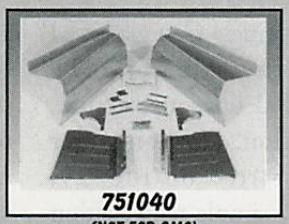


901030 FRONT KIT

YOUR SEARCH IS OVER!

'28-52 FORD'S '47-55 CHEVY TRUCKS

'31 FIREWALL



751040

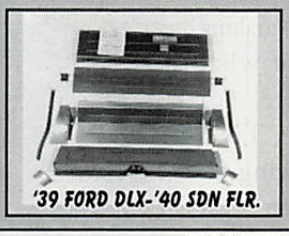
(NOT FOR GMC)

47-55 CHEVY PU & PANEL INNER FENDER APRON KIT.

STONE GUARD

'39-40 FORD DLX & PASS. CARS

'35 FIREWALL



'39 FORD DLX-'40 SDN FLR.

'37-40 STEEL DESIGNER DASH

Stop Hiding your battery! Be proud to show it off in a Bitchin Battery Box.

COWL VENT FILLERS

'50'S ALUMINUM AIR CLEANER IN DIFFERENT STYLE COVERS DESIGNED TO FIT 4 BARREL CARBS AND THROTTLE BODIES.

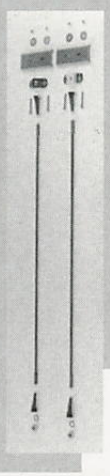
HINGE PILLAR LOWER BRACE
481019 RH/481020 LH

481016 RH/481017 LH
LOWER COWL PANEL

481027 RH/481028 LH
INNER REAR CAB CORNER

1948-1952 FORD TRUCKS
PICKUPS AND PANELS
BODY PARTS

RADIATOR SUPPORT RODS FOR MANY CARS/TRUCKS.



www.bitchinproductsinc.com

Bitchin Products, Inc. 2604 Constellation Way
Prescott, Az. 86301 Fax. 928.771.2714

See your dealer or Tech. Info. 928.771.2590
ORDERS ONLY 1.800.422.3993

We design and ship all of your kits and parts with quality and craftsmanship foremost in mind. Each kit comes with all the hardware needed to install it. We offer free tech advice to customers who desire it. Catalogs are $4.00 ea. Yes we do sell any part or piece of any kit. Call for prices.

2 PACK

DETROIT AUTORAMA

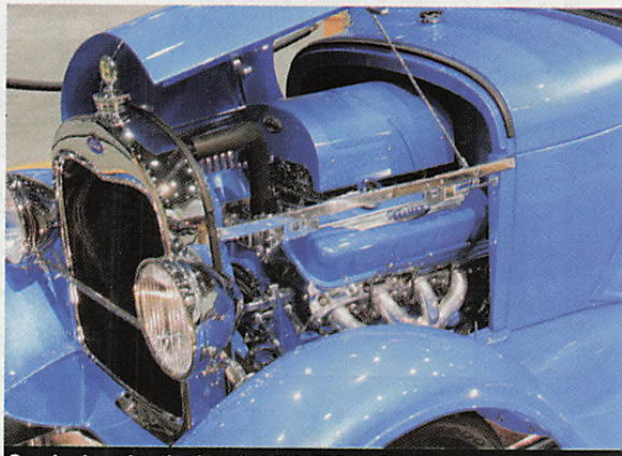
Gary Brigham's '29 roadster blends a ton of polished aluminum with Lamborghini's Ice Blue paint for a more-than pleasing-to-the-eye look. TNT Customs of Hollysprings, GA, did a bang-up job building new body panels and smoothing it all to perfection.

What other event of this magnitude calls upon rodders from coast to coast to spend countless hours constructing works of art just for the purpose of being able to debut them here at the Detroit Autorama? After all, this event offers some of the most prestigious awards the street rodding world has to offer, and on top of that, there is an unending amount of recognition to anyone that builds rods of this caliber.

We were lucky enough to capture one of those such rides right on the Autorama show floor as you see it here on this page. Gary Brigham of Kennesaw, Georgia, originally took ownership of this '29 Ford roadster pickup back in the early '90s. Since then he and his wife have logged some 35,000 miles on the '29 and felt it was time for a freshening up, if you will.

The Hollysprings, Georgia-based rod shop by the name of TNT Customs headed up construction, or reconstruction. Not long after production started on the '29, Gary's idea of a simple rejuvenation turned into a full-blown build, including hand-making almost half of what you see here for the boys at TNT Customs. Having already started on a car specifically for the Detroit Autorama, Gary knew TNT would be the right shop to transform the '29 into the show-stopper he always dreamed of.

To get things started off on the right foot, TNT Customs built a brand-new foundation for the '29 from 2x4-inch tubing, then added a show-quality Kugal Komponents IFS, and a hand-built stainless 9-inch Ford look-alike rearend by Terry Womack of Atlanta, Georgia. In fact, every piece of the chassis and suspension is of the best quality for the right kind of look, and more importantly, for a long life of reliable driving. Besides,



One look under the hood of this '29 and you are instantly amazed at how beautiful a big-horsepower engine can look. TNT custom-built a set of valve covers and a doghouse-style air cleaner cover to top Chevrolet's 600hp 502ci big-block engine.

60-TO-ZERO NEVER LOOKED SO GOOD.

Plain cap.

Finned cap.

NEW!

Ball milled cap.

Flamed cap.

Detailed product listings at
ssbrakes.com/streetrods

800.448.7722

SSBC
STAINLESS STEEL
BRAKES CORPORATION

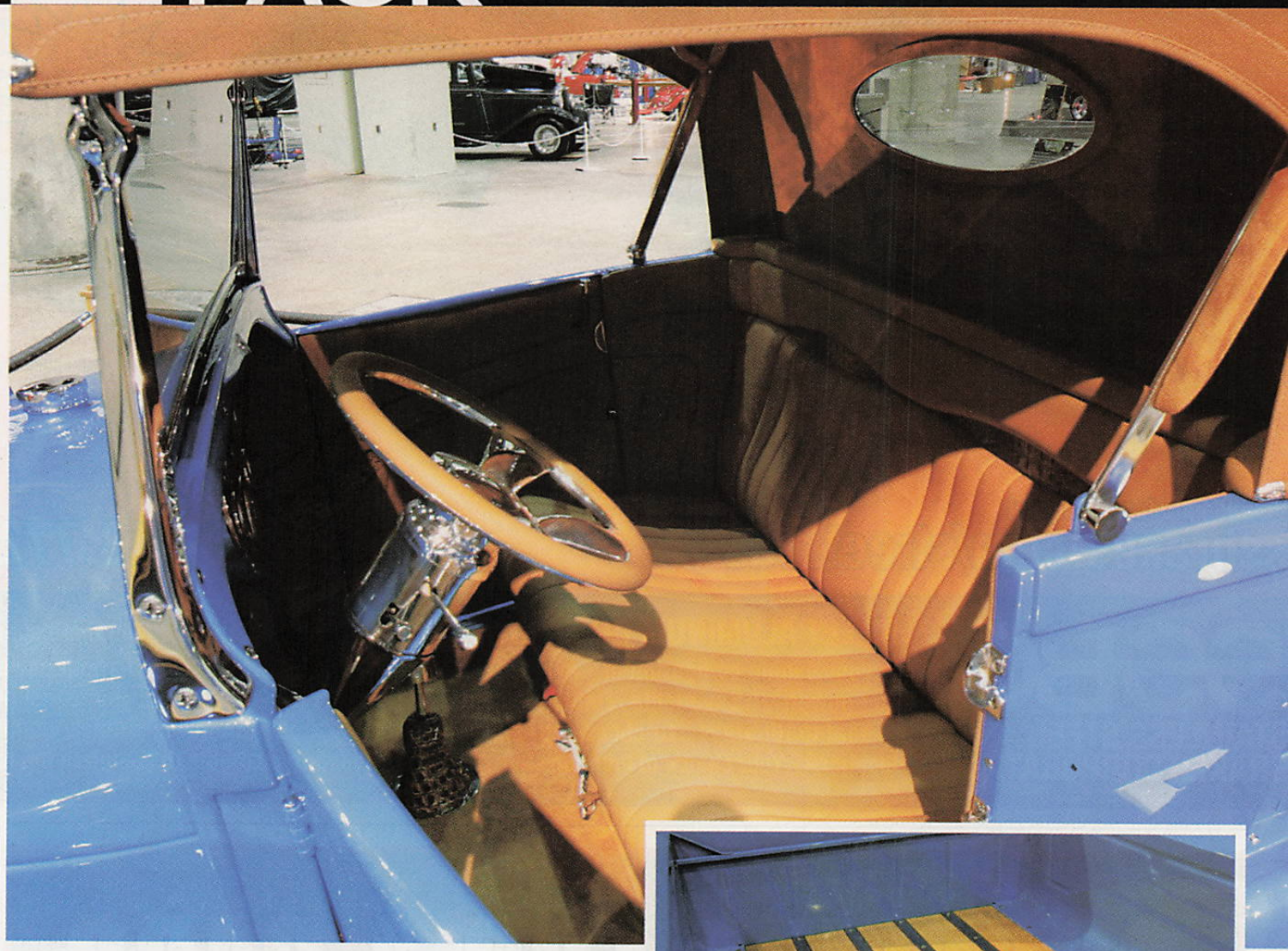
BILLET ALUMINUM DUAL BOWL MASTER CYLINDERS. Add more sparkle to your engine compartment. Available with GM, Ford & Mopar mounts in both power & non-power. The available remote mount reservoir unit is perfect for when you're installing in hard to fill areas. Or choose our special low profile model for low clearance mounting locations. Your choice of four cap styles. Chrome boosters available to complete the look.

SHOPPING FOR A CAR?

HERE'S HOW TO BUY WITH CONFIDENCE

MOST ACCURATE TRUE COST OF OWNERSHIP
TOP 10'S
BEST OVERALL VALUES
EASY COMPARISONS

IntelliChoice.com
IT'S FREE, IT'S EASY. IT'S SMART.



if you want to run a 600hp 502ci Chevy big-block, you better build a foundation as tough as this one.

TNT Custom also took care of transforming the stock-bodied '29 into a custom-built flawlessly smooth PPG Lamborghini Ice-colored show piece. Look closely and you will notice a ton of custom work by TNT, like the modified Ford commercial headlights and '29 Ford taillights, smooth custom firewall set back 4.5 inches from stock, and the bitchin 2-inch chop.

Rounding out the build was a tasteful interior job by M&M Upholstery of Hollypond, Alabama. M&M expertly stitched faux crocodile inserts with a rich, tan leather. M&M also handled the construction of a custom bench seat and bitchin' one-off steering wheel. Terry Womack is responsible for the handmade gauge insert that houses a set of Classic Instruments gauges so perfectly.

All in all, we figure many simple projects start out like Gary's '29, then along the way things just get a little out of hand and end up being big-time show-stopping builds, just like Gary's. It's a good thing too; otherwise what would the rest of us have to work toward? SR

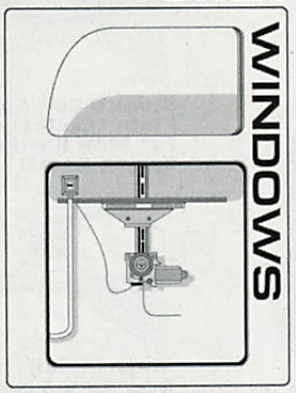
(top) With a combination of faux crocodile and a mix of Mercedes and Rolls Royce leather and suede, M&M Upholstery of Hollypond, AL, had its hands full, but did an outstanding job of making it all look so naturally rich. M&M also custom-built the bench seat that looks soooo comfy. *(above)* Have you ever seen a nicer truck bed? The combination of colors and the quality of workmanship put this pickup bed into a category of cool all to its self. *(below)* Not only are American Racing five-spoke wheels as hot rod as it gets, they also take on another role as full-show once they are treated to a full polish job. Gary's '29 runs 17x9s out back, with a more traditionally sized 15x6s up front with Dunlop rubber at all four corners.

SPECIALTY POWER WINDOWS®

WE BUILD THE SOLUTION

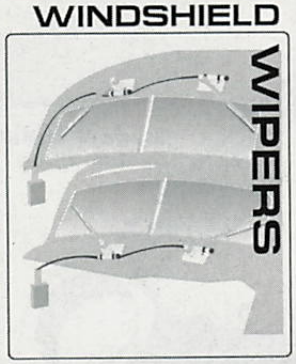
POWER WINDOW KITS

POWER WINDOWS



WINDSHIELD WIPER KITS

WINDSHIELD WIPERS



SPW

- Designed and manufactured in our own facility
- Factory direct technical assistance
- Lifetime Warranty on every part of all power window and wiper kits
- Factory Guarantee against becoming obsolete
- Made in America by Street Rodders
- Factory Assistance for special applications and switching needs
- Available through most custom parts dealers

FREE CATALOG REQUEST
ORDER LINE: **800-634-9801** 8:00 AM - 5:00 PM EST
TECH LINE: **478-994-9248** 1:30 PM - 4:30 PM EST
FAX: **478-994-3124**
WEBSITE: www.specialtypowerwindows.com

SPECIALTY POWER WINDOWS®
140 Industrial Park Drive
P.O. Box 1486
Forsyth, Georgia 31029

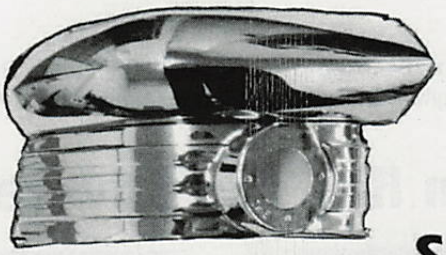
VISA MasterCard DISCOVER NOVUS

16102 Gothard St.
Huntington Beach, CA 92647
USA

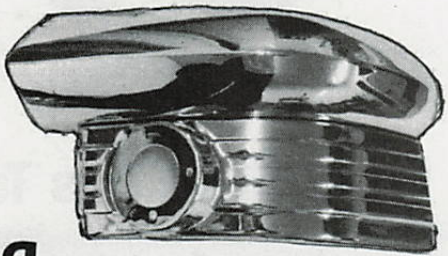
Jen E
DISTRIBUTING CO.

Tel: (714) 375-7796
Fax: (714) 375-7795

Parking Light Housings
1951 Ford Car



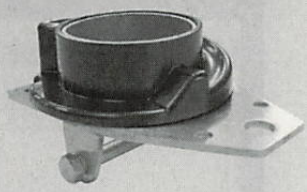
Brand New
Excellent Fit
Show Chrome Plating



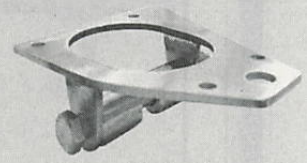
Limited Stock ▪ Call for Details

FatMan Builds The

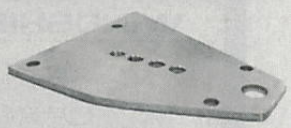
Polished Stainless!



Stage II Coil Spring Plate (Exclusive Fat Man Urethane Spring Seat!)



Stage III Coil Over Spring or Shock Wave Plate



Stage IV AirRide System Plate

Still At The Price Of Plain Steel

Thousands of regular rodders and professional rod builders have installed Fat Man Supension Kits with these beautiful one piece stainless control arms. They wanted the show car look of polished components, and the proven quality and sensible pricing that Fat Man is known for.

- **-ISO 9002 Compliant Quality**
- **-Polished 17-4 Stainless Steel Arms**
- **-All Stainless Bolts Included**
- **-Polished Ball Joint Caps Included**
- **-Plated Steel Cross Shaft Included**

Only Fat Man Hub-To-Hub Suspension And Complete Chassis Include These One Piece, Polished Control Arms, All Stainless Steel Bolts And Plated Cross Shafts At *No Additional Cost!*

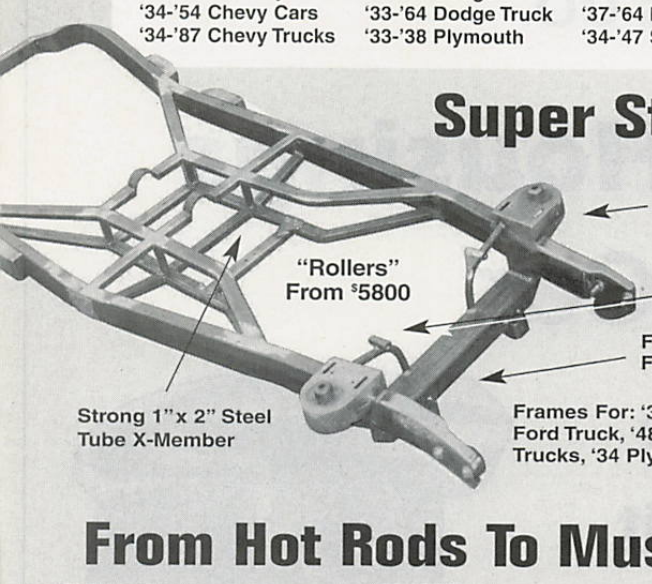
(Upgrade Existing Fat Man Suspensions To Stainless A-arms - Just $849)

More Than 30,000 Hot Rods & Muscle Cars Ride On Fat Man

Kits Available For:

'33-'48 Ford Cars	'53-'62 Corvette	'33-'36 Buick	'36-'59 Stude Trucks	'33-'41 Willys
'35-'89 Ford Trucks	'33-'37 Chrysler	'34 Olds	'35-'37 Hudson	'34-'41 Nash
'39-'48 Mercury	'35-'37 DeSoto	'34-'36 Pontiac	'33-'37 Hudson	Nash Metropolitan
'34-'54 Chevy Cars	'33-'38 Dodge	'40-'41 Graham	Terraplane	Austin and Anglia
'34-'87 Chevy Trucks	'33-'64 Dodge Truck	'37-'64 International	'34-'38 Huppmobile	More in development!
	'33-'38 Plymouth	'34-'47 Studebaker		

Super Strong Fat Man Complete Chassis

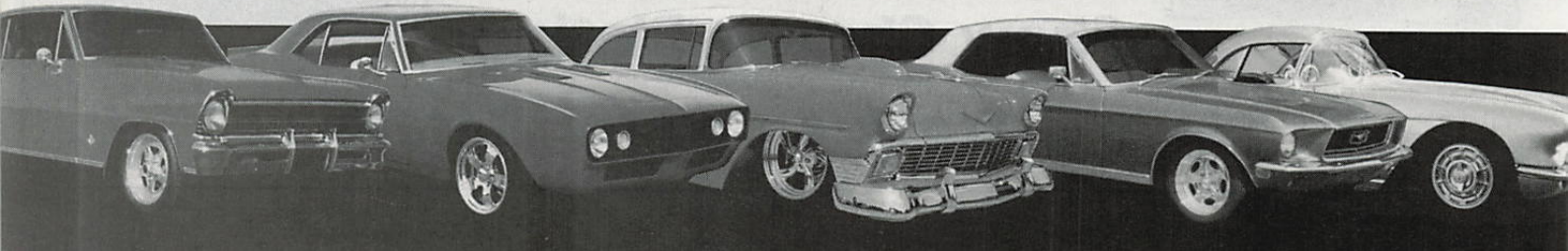

Proven Fat Man Mustang II Cross Member
"Rollers" From $5800
Chevy Engine & Trans Mounts
Fully Boxed Crossmember For Extra Strength
Strong 1" x 2" Steel Tube X-Member

These Fat Man chassis are the strongest frames on the market! Built from full 3/16" wall thickness tubing with our proven Fat Man Mustang II cross member installed. Our super strong x-member is built from 1" x 2" steel tubing and is dropped one inch to allow the exhaust to run inside the frame - Not under it! Radiator mounts and body mounts are included. Bare frames as shown starting at $2800.00

Frames For: '32-'40 Ford, '37-'40 Chevy, '32-'41 Ford Truck, '48-'66 F-Series Truck, '37-'59 Chevy Trucks, '34 Plymouth PE, Anglia and Morris.

Fax 704-573-0401 8621-C Fairview Road
Highway 218, Charlotte, North Carolina 28227-7619

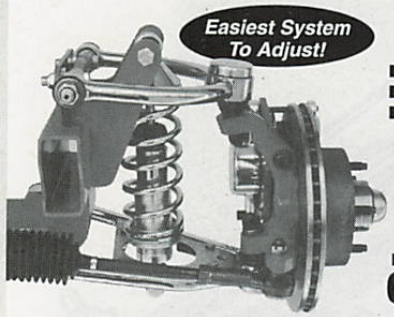
From Hot Rods To Muscle Cars-Fat Man Has You Covered



Best For Less

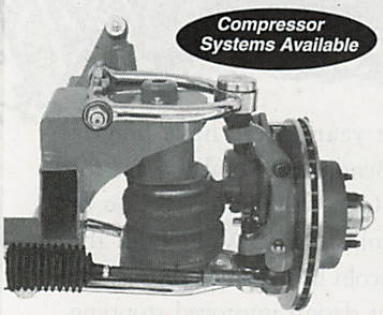
Stage II

You get the trick look of polished A-arms and eliminate the need for strut rods. Compare this package with brands which cost hundreds more. Proven quality now made better. ***Compare at $1795!***



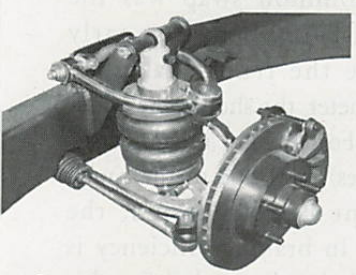
Stage III

The ultimate Mustang II IFS just got better! Polished stainless A-arms, pro style shock towers and genuine PRO coilovers. ***There's NO other comparable deal at just $2095 hub-to-hub!***



Stage IV

Fat man Air Ride IFS features our new polished stainless A-arms and genuine AirRide Technologies components. Shocks included. ***There's NO better air ride deal at $2095 hub-to-hub!***



Stage V

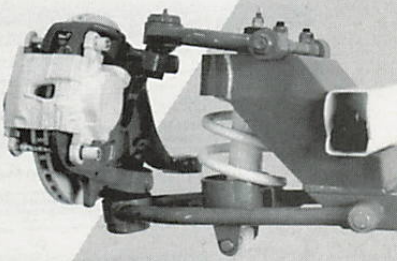
Our stage V system incorporates the best AirRide Technologies ShockWave 9000 aluminum air springs and HAL shocks for the ultimate in comfort and ride height adjustability. Call for specific applications. ***Starting from $2695***

Fat Man Frame Stubs

Over 100 Applications!

'37-'60 Chevy
'49-'63 Ford
'55-'57 T-Bird
'49-'56 Merc
'34-'53 Chrysler
'34-'56 Dodge
'34-'56 Plymouth
'34-'57 Buick
'36-'57 Cadillac
'37-'40 LaSalle
'34-'59 Olds
'37-'58 Pontiac
'48-'64 Studebaker
'35-'53 Packard
'40-'53 Hudson
'47-'48 Kaiser
'40-'48 Nash
'48-'54 Bentley
Henry J
Avanti / Lark

Some cars have frames which don't allow for a simple Mustang II installation, yet are too narrow for a GM subframe. These all new "clips" provide a nice 3 to 5 inch drop and include prefabricated mounts for bumpers and sheet metal. Don't hassle with old, heavy IFS suspension - This is the right solution! Basic kit as shown **$849**



Subframe Tubular A-Arms

Give your GM subframed car or truck that nice "tucked in" look with our unique tubular A-arms. Available in narrowed or stock widths for "67-'81 Camaro, '64-'77 Chevelle, and '68-'79 Nova subframes. Set of four with ball joints and bushings just **$799.**

We also have 2-Inch dropped spindles for the following cars and subframes:

'55-'57 Chevy	-From $250
'68-'74 Nova	-From $329
'64-'72 Chevelle	-From $329
'67-'69 Camaro	-From $329
For use with 78-87 Malibu caliper and 88-92 1LE 12" rotor.	
'59-'64 Chevy	-From $389
For use with 70-71Camaro disc brakes.	
'70-'81 Camaro	-From $329
'73-'77 Chevelle/Monte	-From $329
For use with stock original disc brakes.	

50's Dropped Spindles

Available For:
'39-'54 Chevy
'55-'57 Chevy
'58-'64 Chevy
'49-'53 Ford
'54-'56 Ford
'57-'64 Ford
'49-'64 Merc
'39-'53 Mopar
'34 Plymouth
'37-'56 Buick
'39-'56 Olds
'39-'57 Pontiac
'65-'73 Mustang

If you're building a late forties to fifties car with factory IFS, and you want to get it down where it belongs, Fat Man dropped spindles are your answer. They are all new material - no core required. Relatively simple to install and they retain proper geometry, alignment and full suspension travel. Many disc brake kits also available. **Call for info.**

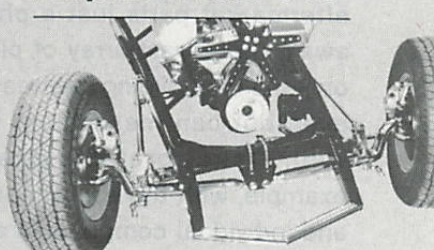
Affordable IFS

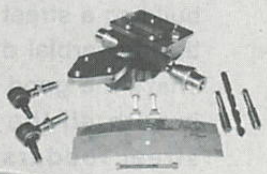
This is the kit to use where a Mustang II can't be properly installed. Uses many factory parts to provide an affordable IFS for such cars as '28-'34 Fords, '28-'33 GMs, '28-'32 Mopar, and many others. Starting at just **$1495.**

Vintage IFS Kit

Now, traditionalists can get the smooth ride and precise handling of independent suspension without sacrificing the classic look! Our Vintage IFS kit allows you to convert your existing tube axle in one weekend. No welding on your chassis - all parts to be modified simply unbolt and bolt right back in.

Complete Kit Just $649





Mon-Thurs 7am-6pm EST - Fri 7am-12 noon

704-545-0369

www.fatmanfab.com

$3 Fat Man Catalog

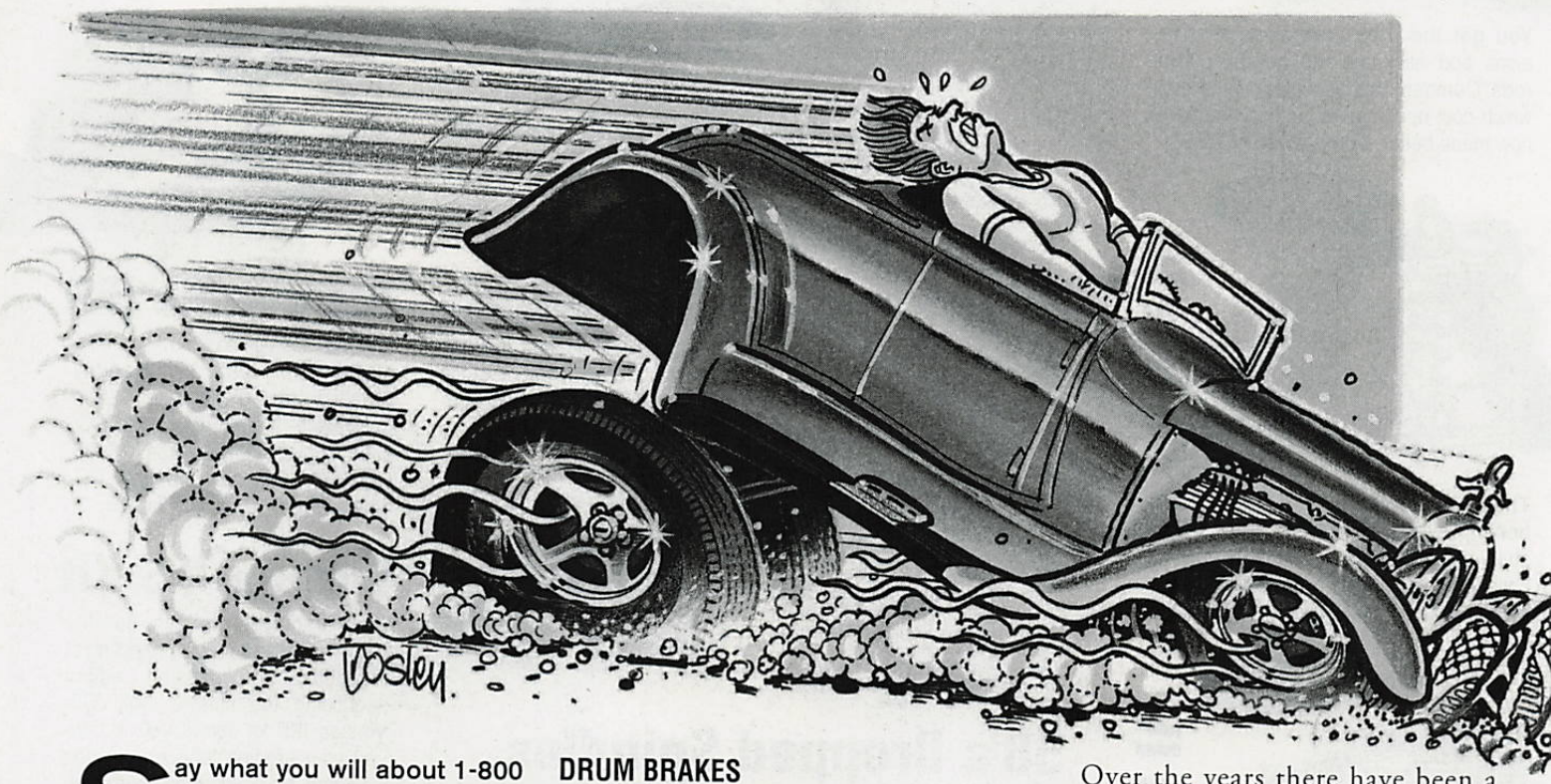
Hot Rod Innovators

FAT MAN FABRICATIONS

BY RON CERIDONO
PHOTOGRAPHY BY RON CERIDONO AND COURTESY OF ENGINEERED COMPONENTS INC., MASTER POWER BRAKES, AND NO LIMIT ENGINEERING

BRAKE TIME PT.II

drums, discs, and boosters



Say what you will about 1-800 street rodding, the truth is today's builders are truly fortunate to have a huge selection of aftermarket parts just a phone call away. Those vast array of pieces not only makes building cars easier than ever, but can make them safer as well. Take brake systems for example, with the assortment of kits and individual components available, building a street rod that will stop on the proverbial dime should be easy. That's the good news. The bad news is with all the choices available, street rodders need to be better informed than ever to select those components. As a means to that end, last month we began our "Brake Time" series with a look at the basics of hydraulics, brake valves, pedal ratios, master cylinders, and so on. This time, we'll look at different types of drum and disc brakes as well as the common brake boosters available.

DRUM BRAKES

For all practical purposes, hydraulic brakes can be broken up into two general categories: self-energizing and non self-energizing. An example of the latter can be found on '48-and-earlier Fords. With this design, each brake shoe had a pivot point at the bottom and they operate independently of each other.

A more modern design, and one that is still in use today, is the self-energizing drum brake developed by Bendix. With this style of brake the shoes are hooked together at the bottom by a spring and adjuster and are held to the backing plate by a pin, spring, and retainer. Mounted this way, they are free to move slightly on the backing plate. When self-energizing brakes are applied, the front brake shoe makes contact with the revolving drum and tries to rotate with it, and that movement is transferred through the adjuster to the rear shoe, pushing it into the drum with increased force.

Over the years there have been a number of Bendix-style brake swaps for early Fords. One was the installation of '39-'48 Lincoln brakes. While both the Ford and Lincoln had 12-inch drums, the more efficient design improved stopping considerably (although originals are hard to find, reproduction Lincoln brakes are now available).

Another common swap was the installation of F-100 brakes on early Fords. While the truck brakes are smaller in diameter, the shoes were wider than the early Fords (11x2 inches versus 12x1 3/4 inches), and due to the much more efficient Bendix design, the improvement in braking efficiency is dramatic. (All that is needed for this swap are '53-'56 1/2-ton Ford pickup drums, hubs, and complete backing plate assemblies, a new inner bearing Timken number 14116, stock F-100 inner cups and new seals, and Victor 49195 or National 450461. In some cases it may be necessary to grind the radius on the inner bearing slightly so it

SpecialtieStuff

Car Parts & Accessories

ORDERS ONLY (Toll Free)

1-877-823-4848

1806 Commercial Waterloo, IA 50702

www.specialtiestuff.com

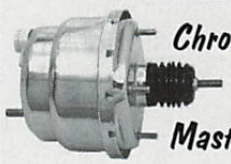
7" or 8" Dual Booster Power Brake Setup

Special!

$269

Boosters Only

7" Single..... $ 75
7" Dual..... $ 105
8" Dual..... $ 125
4 Port Master Cylinder... $ 50



Chrome Booster & Master Cylinder

7" Single Booster w/Master Cylinder..... $ 199
7" or 8" Dual Booster w/Master Cylinder..... $ 225

Classic Instruments

5 Gauge Kits.....from $ 369
6 Gauge Kits.....from $ 429

Quad Sets and Other Kits Available in Any Style!

Dual Line Transmission Coolers

(with fittings)

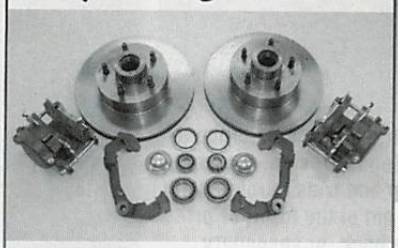
12"..... $ 49
18"..... $ 59

Single Line Also Available!

Aluminum Pulley Sets

	SBC/SWP	SBC/LWP
1 & 1 Groove.....	$ 50	$ 60
2 & 2 Groove.....	$ 60	$ 70
2 & 3 Groove.....	$ 75	$ 85
	BBC/SWP	BBC/LWP
2 & 2 Groove.....	$ 65	$ 80
2 & 3 Groove.....	$ 80	$ 95

Complete Big Brake Kits



Mustang II Disc Brake Kit

$229

w/Forged Stock Spindles... $ 339
w/Forged Drop Spindles.... $ 369

Mustang II

Forged Stock Spindles..... $ 119 Pr.
2" Drop Spindles..... $ 149 Pr.
2" Forged Drop Spindles.... $ 169 Pr.
9" Rotors (Ford or Chevy).. $ 59 Pr.
11" Rotors (Ford or Chevy).. $ 75 Pr.
Bearing and Seal Kit..... $ 15

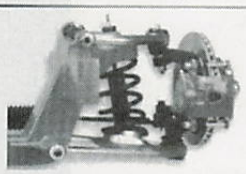
Chevy Tri-5 Big Brake Kit

55-57 Chevy

Includes 11" rotors, 2" dropped spindles, calipers, pads, pins, dust caps, bearings & seals

$350

2" Dropped Spindles Only... $ 159 Pr.



Complete TCI Mustang II Front Suspension

With Tubular A-Arms, Big Brakes, Dropped Spindles

$1499

Summer Special!

Add a FREE Power Steering Upgrade

Sway Bar (add)..... $ 120

Walker Radiator Works Inc.

C Series from

$439

Call for best prices on other models!

7 Function Remote Entry Kit

with 40 lb. Solenoids

With Poppers..... $ 130

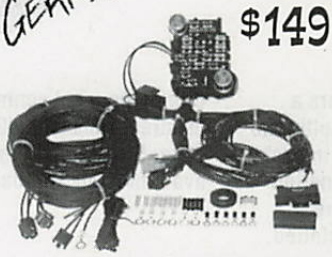
5-Function Heavy Duty Kit..... $ 130

45 lb. Solenoids with Poppers

Bear Jaw Latches w/Install Kit..... $ 70 Pr.

GEARHEAD Wire Kit

$149



High Quality Wire Kit.

21 circuit, 18 fuse & color coded printed wires. INCLUDES connectors, 2 flashers, relay, GM column plugs.

Headlight Switch Aluminum Knob..... $ 20

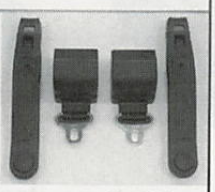
SBC Hugger Header Sale!

Includes hardware & gaskets!

Heavy Duty 3/8" Flange 1-5/8" Tubes

Polished Coated..... $ 149 Set
Chromed..... $ 75 Set
Black..... $ 60 Set
Polished Ceramic Ford Shorty Headers..... $ 150 Set

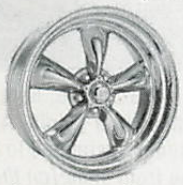
Retractable Seat Belts



3-Point Retractable..... $ 75 Pr.
2-Point Retractable..... $ 49 Pr.
Lap Belts..... $ 30 Pr.

Available in Black, Grey, Charcoal, Tan & Burgundy

American Racing Torq-Thrust II



$849

17x7 or 17x8 (Set of 4)

Carlisle Knockoffs

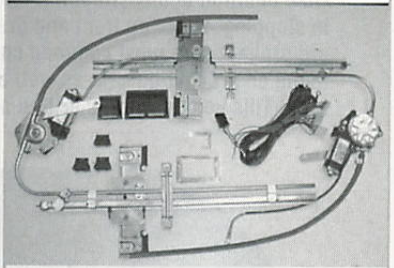
Set of 4..... $ 299

FREE Shipping on Wheels

California Mirrors..... $ 59 Pr.
(with hardware)

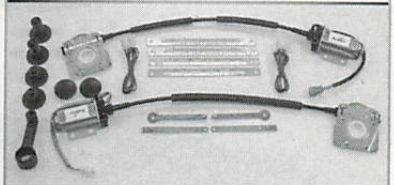
Glass Tri-Bar 7" Headlights..... $ 49 Pr.
(black, red or blue dot)

Prism 7" Headlights..... $ 40 Pr.



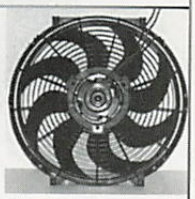
Complete Power Window Kit With Switches..... $ 135

New, Bigger Motors!



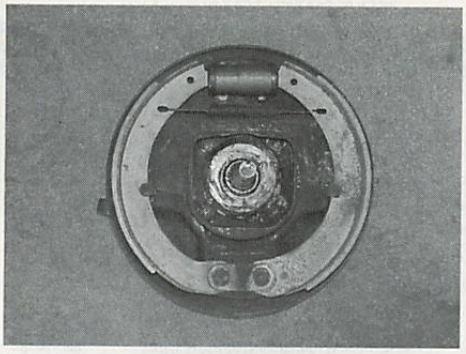
AutoLoc Power Window Kit With Switches..... $ 119

All other AutoLoc products in Stock Now!

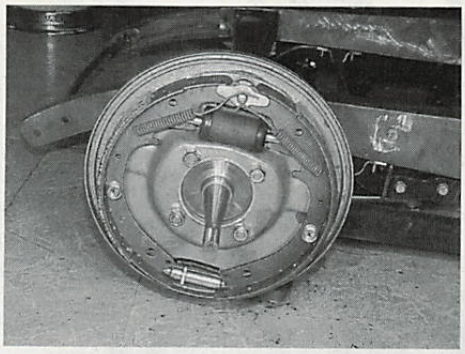


16" Reversible S-Blade Fan

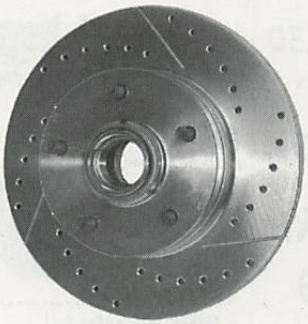
3300 CFM Fan..... $ 99
2750 CFM Fan..... $ 60
11" SPAL Dual Fan..... $ 249
Adjustable Temperature Control..... $ 40



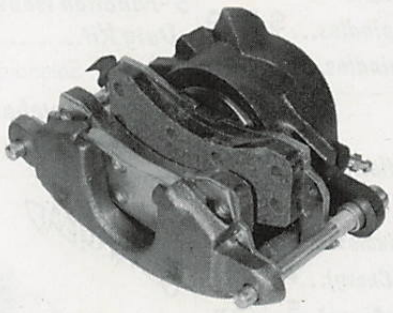
This is an early Ford brake, note the shoes have individual anchor points. Also note that the wheel cylinder is stepped to provide more pressure to the front shoe *(on the right)*.



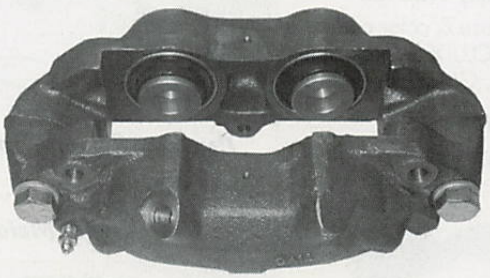
Compare this self-energizing Lincoln brake to the Ford style. In the Bendix design, the front shoe contacts the drum and tries to rotate with it. As a result, the bottom of the front, or primary shoe, pushes the back, or secondary shoe, into the drum with increased force. This design is still used in drum brakes today.



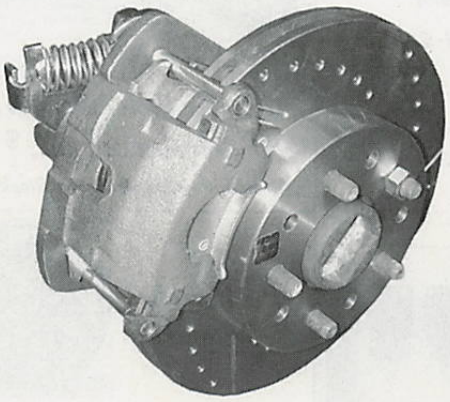
Without question, power disc brakes are a wise addition to any street rod for the ultimate in stopping. Discs up front and drums in back are probably the most common combination found on production cars as well as street rods. This vented rotor is drilled and slotted.



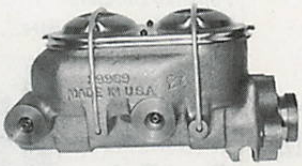
One of the most common disc brakes calipers on street rods is the GM single-piston sliding style. Simple and rugged, they are readily available and affordable.



This is an example of a four-piston fixed caliper. Multiple pistons and large pads make these a good choice when maximum stopping power is required.



Rear disc brakes are becoming more common, however, the need for a parking brake makes the rear calipers a bit more complicated.



As we discussed last month, all master cylinders aren't created equal. It must be matched to the brake system to provide adequate pressure and volume.

will seat properly on the spindle).

DISC BRAKES

Although some will take exception to this, the fact is drum brakes can generate as much stopping power, and in some cases more, than a disc brake—the problem is they can't do it for a very long period of time.

All brakes rely on friction between two surfaces to stop the car. Basically, that means brakes turn the energy of the moving vehicle into heat; unfortunately, heat is also the enemy of brakes. As the friction surfaces become hotter, the coefficient of friction between the two is reduced and the brakes lose effectiveness. The term that is often used to describe this is brake fade. If you've ever driven a car down a steep grade and found it took more and more brake pedal pressure to slow the car, you've experienced brake fade.

When it comes to dissipating heat, disc brakes have a huge advantage over drums. As the caliper only covers a small part of a disc brake's friction surface, a large portion of the rotor is exposed to air, which keeps it relatively cool. With a drum brake, most of the friction surface is in contact with the brake shoes, which leaves little surface area for cooling. Consequently, compared to discs, drum brakes get hotter faster and stay hot longer. That noticeably reduces their efficiency during hard or continuous use.

Another factor that allows disc brakes to function more effectively than drums is the wiping action inherent in their design. In wet conditions the brake pads tend to wipe water off the rotor, while with drums, moisture can become trapped between the shoes and drum, lowering the coefficient of friction considerably until the water is dispersed.

CALIPERS

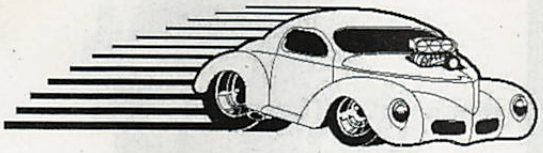
Basically, there are three types of calipers: fixed, sliding, and floating. Fixed calipers are solid-mounted to a mounting bracket with one, two, or more pistons per side to apply the pads. When multiple pistons are used on each side they are more or less in a row. Consequently, the caliper can utilize a longer pad more effectively than a single piston caliper. The combination of multiple pistons and large friction surfaces means that fixed calipers

2003 SRMA Business Of The Year & NSRA Manufacturer Of The Year

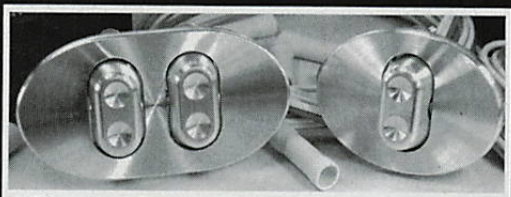
Watson's StreetWorks

PO Box 270-SR Bozrah CT 06334
Order Toll Free: 866.859.0513
Tech: 860.859.0513 24/7 Fax: 860.887.0490

Catalog $5
FREE With Order
Prices do not include S&H.
Prices subject to changes

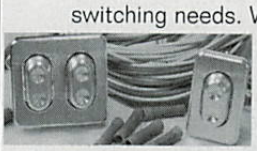


www.watsons-streetworks.com



Billet Oval Power Window Switch Kits

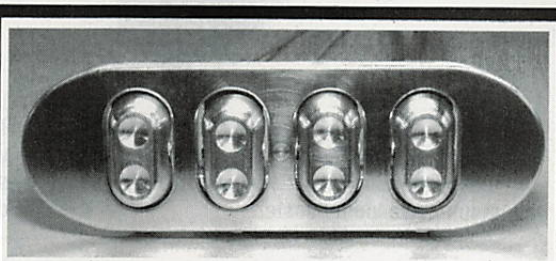
Quality 3-wire billet rocker switch in a billet oval frame. Kits include polarity reversing modules, wiring and detailed instructions. Single Kit - $70, Double - $125, Triple - $180. Also available in Square and Flamed trim plate designs as shown below. Call for pricing. Ask about these same billet switches in on/off and momentary functions for your general purpose switching needs. We aim to please!



Power Cowl Vent Kit

Quality & Value!

Comes complete with a powerful gear motor, aluminum bracket for firewall mounting, steel bracket for cowl mounting, hardware, aluminum rod, interior switch, wire, connectors and instuctions. The quality you expect for only $95.



NEW!! Billet 4-Switch Panel

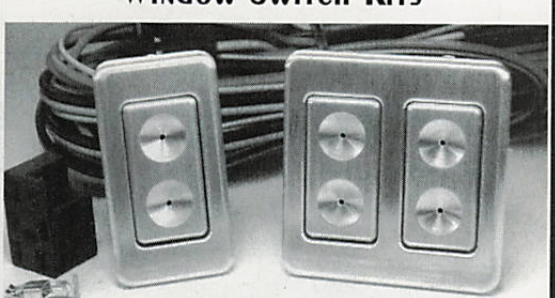
Four of our Billet 3-wire rocker switches mounted in a billet frame that's 4-7/8" w x 1-5/8" h. Use as a driver door control for power windows or a stand alone console control. Can also get simple on/off and momentary switches for applications other than power windows. Call and let us know your needs and we can provide all the necessary switches and relays to do what you want.

Lil' Hot Dots LED Bolts

Effect lighting for inside or out. 4-LED cluster in an aluminum bolt. Bolt is a 1/2-20 x 1" thread. The head is 15/16" Dia. x about 1/2" high. Single function lights. Or, use our conversion kit (only $5/light) to make dual intensity.

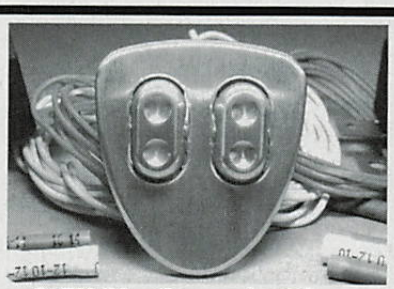
Choose from Green (soft), Red or Amber (bright). Use as accent lighting or auxiliary turn lights or whatever! Waterproof. $25 per light.

Illuminated Billet 5-Wire Power Window Switch Kits



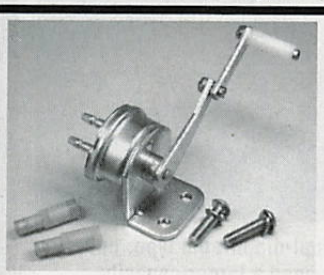
NEW!! Maximum Styling!

Just what you've been waiting for - super attractive and low profile billet power window switches. Illumination comes through a small hole in each finger dimple. Available as single, double or triple kit (shown-with crossover wiring). Single switch frame dimensions: 1-1/4"w x 2-5/16" h. Double frame dimensions: 2-1/4" w x 2-5/16" h.
All kits include harnesses, plugs, connectors and installation instructions.
Single Kit: $80
Double Kit: $145
Triple Kit: $210



NEW!! Console Plate Power Window Switch Kit

Billet 3-wire rocker switches in a brushed finished plate that's 2-1/4" w x 2-1/2" h. Comes with polarity reversing modules. Can also get on/off or momentary switches. Power window kit is $125.



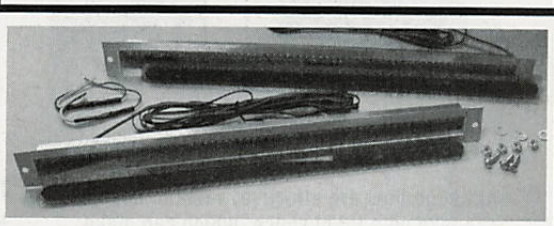
Still Rated As "THE BEST" Brake Switch By You!

This is still THE BEST brake switch on the market. It's universal, adjustable, mechanical and no modifications are required for through-the-floor pedals. Waterproof. Includes terminals, S/S mounting hardware and instructions. All for only $19.95. A kit for 700R4 transmission conversion lockup is also available for $38.

Power Lift Kit

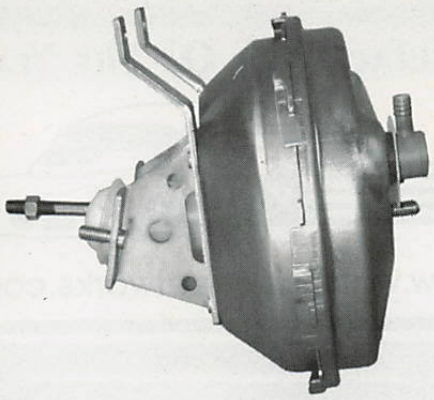
A Power Lift Kit for trunks, tonneaus or whatever! Attractive 250# force, 10" stroke industrial linear actuator. Hardware & S/S brackets. $299

Unparalleled Selection of Flushmount LED Lighting for Taillights/ Turns, Parklights & 3rd Brake Lights

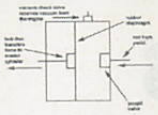


Our flush-mount kits are complete!

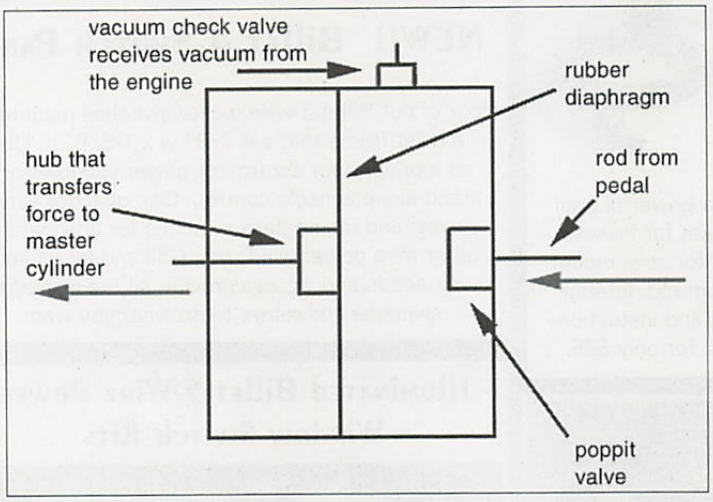
We offer two different lengths of thin, rectangular kits, four small rounds kits, a small rectangular amber & red kit, 3" deep kits for curved surfaces and a sequential LED taillight unit. All kits come with LEDs, aluminum mounting buckets, acrylic lens w/ diffuser, mounting hardware, wiring and instructions. Taillight kits include circuitry for taillight and brake/turn signals. Call for specific details or visit our web site. Be sure to ask for our FREE brochure about LED Taillights "Talkin' About Taillights". Prices range from $75 - $299



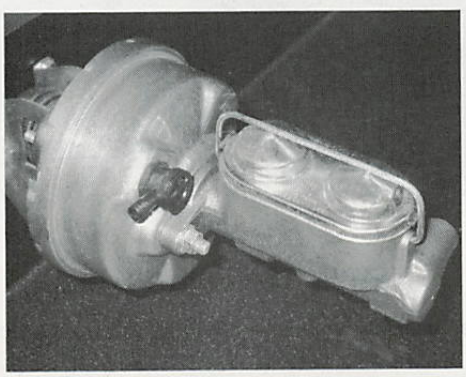
Just about every production car has power brakes, and the vacuum boosted variety is the most common. This is a typical firewall-mounted vacuum booster.



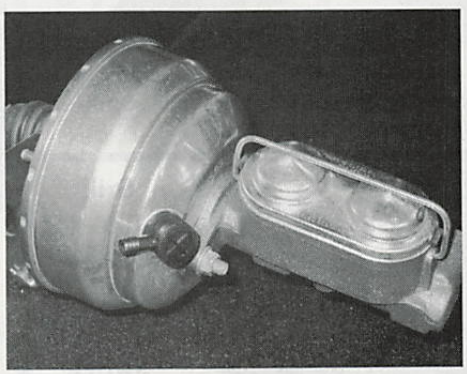
This cutaway shows the major parts of a vacuum booster and a master cylinder. In some cases small-diameter boosters use two diaphragms to increase their effectiveness.


vacuum check valve receives vacuum from the engine
rubber diaphragm
hub that transfers force to master cylinder
rod from pedal
poppit valve

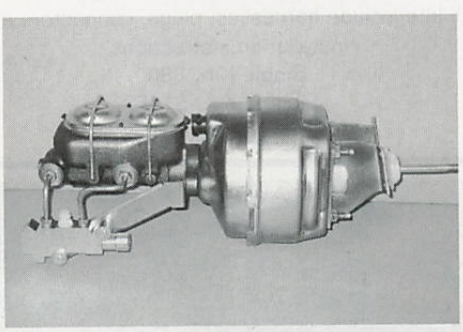
Vacuum boosters are simple in operation; vacuum on one side of the diaphragm with atmospheric pressure on the other helps push on the master cylinder piston.



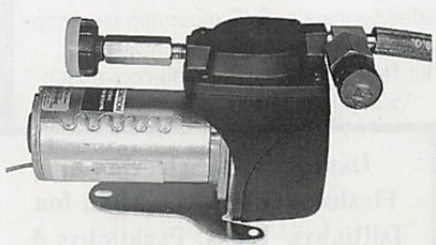
This is a typical 7-inch vacuum booster; it's fine for lightweight cars.



This is a 7-inch dual-diaphragm type, but heavier cars may need a larger-capacity booster. Discuss your application with a reputable supplier to get the proper booster.



Although they are effective, vacuum boosters can take up a lot of space, which can make fitting them in street rods a challenge. Note this master cylinder is plumbed into a combination valve.



In some cases, when long-duration cams are used, as an example, engine vacuum may not be sufficient to operate a booster. In that case a vacuum reservoir tank, or an electric vacuum pump like the one shown here, should be considered. This example is from Master Power Brakes.

can supply a tremendous amount of stopping power.

While fixed calipers are very effective, they do have a couple of minor shortcomings. First off, since there are pistons on both sides of the caliper, fluid must be delivered to both sides of the caliper. That means small external lines or well-sealed interior passages must be provided to connect the two halves. In either case that means that construction is more complicated and, consequently, more expensive.

Although fixed calipers perform well, they are very unforgiving of any runout in the rotor. If the rotor wobbles, it tends to make the brake pedal pulsate on application, and in the case of a badly warped rotor, the pistons can get knocked back into the caliper body. When that happens, more fluid will be required to apply the brakes, which means the brake pedal will have to travel further.

Another caliper design is the sliding style. These have a single piston on just one side, working like a C-clamp as the piston pushes the inside brake pad against the rotor. Once it makes contact, the caliper slides in its bracket and pulls the outside pad against the rotor. Ford and Chrysler used this style brake.

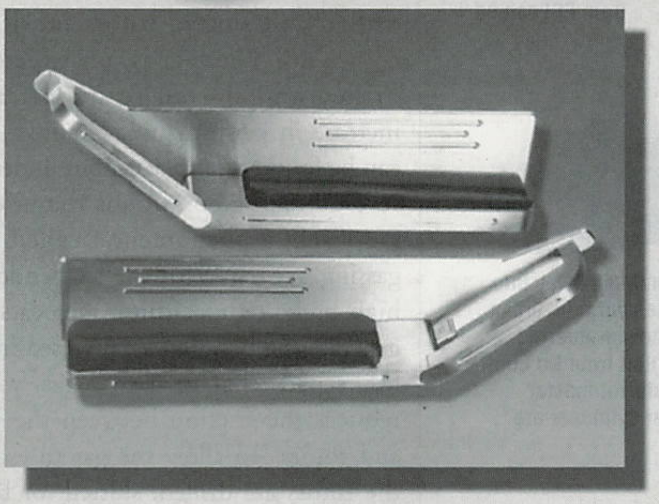
Similar to the sliding caliper is the floating design (typically single-piston GM calipers). Like the sliding caliper, floating calipers apply hydraulic pressure to one pad, then the caliper, which "floats" on a pair of mounting pins, pulls the other pad against the rotor. While the sliding and floating calipers work in a similar fashion, there is one major difference. With the sliding style the braking force is transferred to the caliper, which means it must be a stout piece. With a floating caliper, the mounting bracket captures the pads. As a result, the caliper doesn't have to be as beefy.

TYPES OF DISCS

Although disc-brake rotors come in a wide variety of shapes and sizes, they can be broken down into just two categories: solid and vented. Solid rotors are just that—a simple flat rotor. Although simple and inexpensive, the disadvantage to solid rotors is that they do not dissipate heat well. While solid rotors are adequate for lightweight cars, particularly on the rear, a

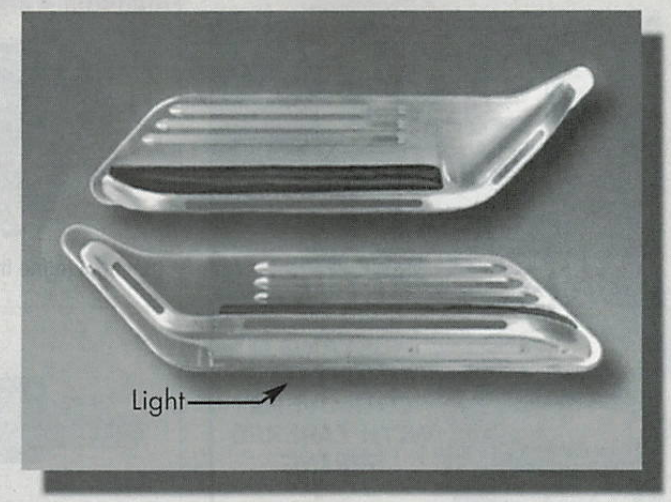
BIG AL'S CARPONENTS

MANUFACTURERS OF QUALITY STREET ROD PRODUCTS



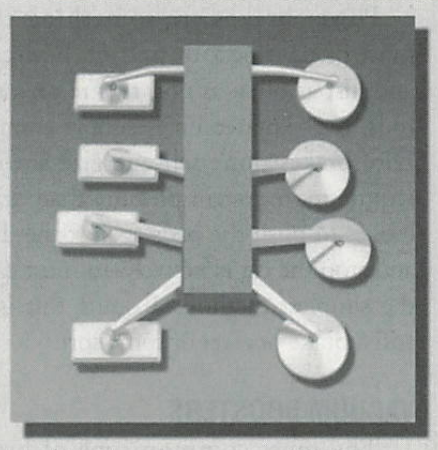
Standard Arm Rest features a door opener & back plate (with or without switch holes). Includes hardware, cable & wooden pad for upholstery. Opener style is only available with a back plate. Door pull on the armrest without opener or back plate is adjustable. machined aluminum, brushed finish.

Std. Arm Rest w/back plate & door opener.....**$219.95 pr.**
Std. Arm Rest w/back plate, no opener .....**$149.95 pr.**
Std. Arm Rest w/no back plate or opener.....**$104.95 pr.**



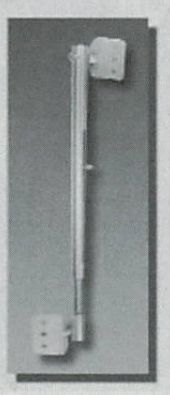
Marque Billet Arm Rest features black inlay, courtesy light, door opener & back plate (with or without switch holes). Includes hardware, cable & wooden pad for upholstery. machined aluminum, brushed finish.

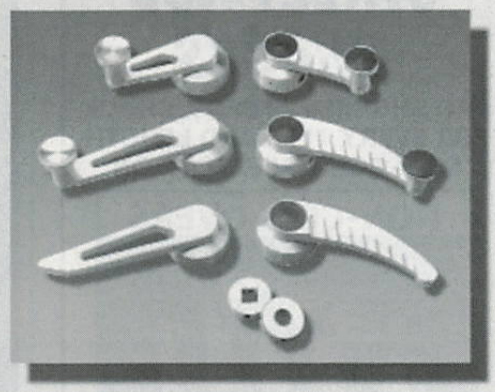
Arm Rest w/opener, light & back plate.....**$259.95 pr.**
Arm Rest w/back plate, no opener .....**$209.95 pr.**
Arm Rest w/no back plate no opener ..... **$164.95 pr.**



Side Mirrors.....**$54.95 ea.**

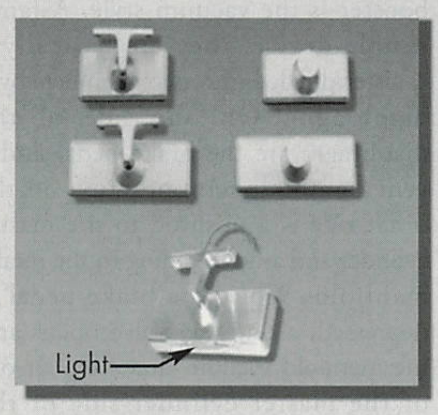
Designed for lighter weight trunks. This Prop Rod automatically locks open, manual close, machined aluminum brackets and 1/2" tube.....**$65.00 ea.**



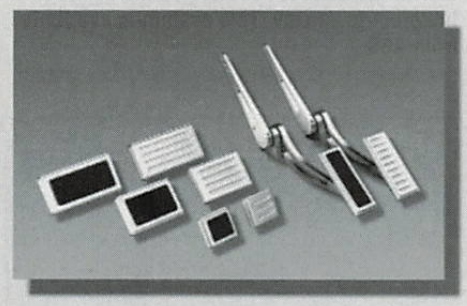


Fit all Ford & GM early to late model, Some Mopar & Foreign Cars.

Deluxe ..... **$50.00 pr.**
Royaluxe (with black inlay) ..... **$60.00 pr.**
Polished add..... **$10.00 pr.**

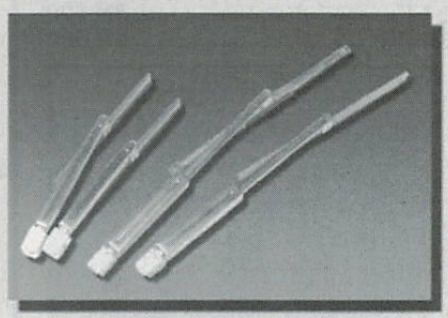


Inside Mirrors-Stick-on ..... **$49.95 ea.**
Top Mount ..... **$54.95 ea.**
Lighted Top Mount ..... **$74.95 ea.**



Throttle Assy. is fully adjustable with a slotted arm. Available milled or with rubber pad, matching brake and dimmer pads.

Throttle Assy. .....**$89.95 ea.**
Brake Pad (Small 3"x2") .....**$27.95 ea.**
Brake Pad (Large 4"x2") .....**$31.95 ea.**
Dimmer Pad .....**$12.95 ea.**



Wipers (Left to Right)

Adjustable 7" Flat Blade .....**$52.95 ea.**
Multi Adjustable 11" curved blade.....**$61.95 ea.**
Multi Adjustable 10" flat blade.....**$57.95 ea.**
All wipers are available in shaft sizes 10/32", 1/4" or 1/2".

BIG AL'S CARPONENTS

356 W. 59th Street, San Bernardino, CA. 92407
Email: bigalscars@earthlink.net

Ph. (909) 882-1060 Fax (909) 883-5185

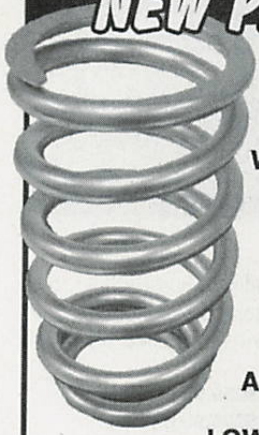
MasterCard VISA

PLEASE VISIT OUR WEB SITE FOR MORE PRODUCTS AND DETAILS
www.bigalscarponents.com

USA Toll Free (877)712-1027

PRO SHOCKS

"NEW Product!"



MUSTANG II ADJUSTABLE COIL OVERS WITH TAPERED SPRING

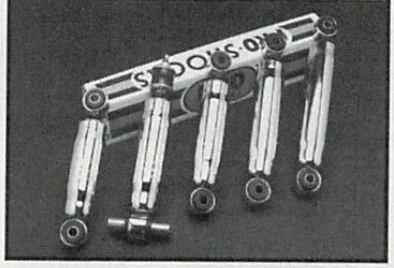
FACTORY UPPER MOUNT

ADJUSTABLE COIL OVER LOWER MOUNT

STREET ROD SHOCKS

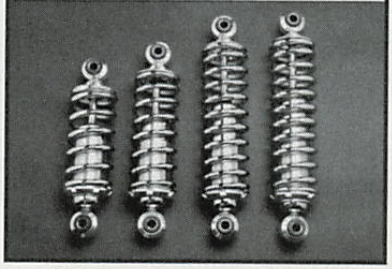
PRO SHOCKS OFFERS A SHOCK FOR EVERY TYPE AND LENGTH OF SPECIAL APPLICATION

NON-COIL OVERS



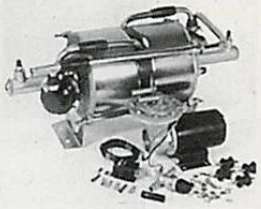
MTD LENGTH	PART No.
9"	SM 300
10"	SM 400
10½"	SM 401
12"	SM 500
13½"	SM 600

COIL OVERS

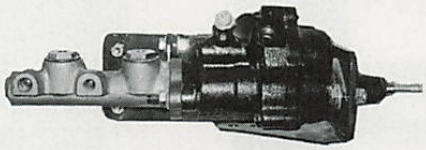


MTD LENGTH	PART No.
10½"	350 SR
11½"	430 SR or 450 SR
13.3"	530 SR or 550 SR
15"	630 SR

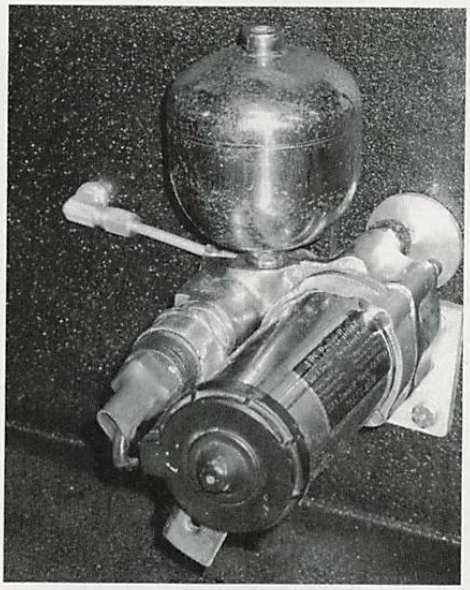
1715 LAKES PARKWAY
LAWRENCEVILLE GA 30043
(770) 995-6300 FAX (770) 513-4406
WWW.PROSHOCKS.COM



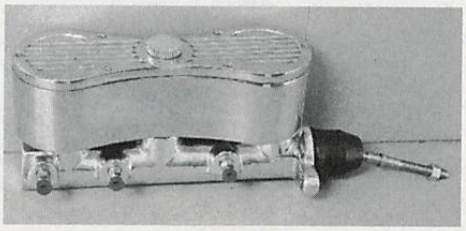
In some cases packaging components in a street rod is a daunting task. This remote-mount dual brake booster assembly from ECI can be mounted in the trunk.



Something that is just finding its way into the street rod world is the hydraulic brake booster. It relies on the power-steering pump for pressure. This unit from No Limit Engineering uses a remote-fill master cylinder (standard master cylinders are also available).



One of the newest boosters on the scene is the electric variety. This system is available from ABS.



Shown here is a disc brake master cylinder for use with an electric booster. The two output lines are to the left, and the input from the booster is on the right.

better disc brake rotor option for heavier vehicles is the ventilated style. This design separates the two friction surfaces with air passages to aid in cooling.

When discussing rotors, the value of drilled and slotted rotors inevitably comes up. The fact is, on streetcars, drilled and slotted rotors offer no increase in performance. Granted, they can be found on race cars, but under the severe braking conditions found on a racetrack, a phenomenon called outgassing occurs. With the tremendously high brake temperatures, race cars can generate the bonding agents used in the brake pads that turn to a gas, which reduces the friction between the pads and rotors. To allow the gas to escape, the rotors are drilled, slotted, or both. On the street the only enhancements these modifications offer is cosmetic. But sometimes, that's good enough.

BOOSTERS

Power brakes are something that most of us expect to find on new cars, and just as often as not, they're on street rods, too. The reason is simple enough. Disc brakes don't self-energize so they require more system pressure than drum brakes to push the pads against the discs and stop the car effectively. In most cases the simplest method of doing this is to add a brake booster of some sort.

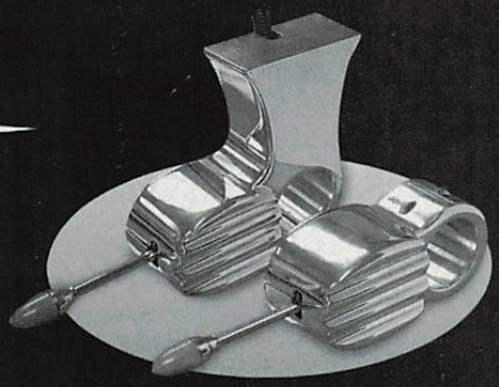
VACUUM BOOSTERS

The most common type of brake booster is the vacuum style. A fairly simple device, they are basically a canister divided into two chambers by a diaphragm. On one side of the diaphragm are the brake pedal and a vent to atmospheric pressure; on the other side is a pushrod to the master cylinder and a hose leading to the intake manifold. When the brake pedal is depressed, a one-way valve opens and the manifold vacuum draws the air out of the master cylinder side of the booster, while atmospheric pressure is still present on the brake pedal side. The higher pressure on the brake pedal side simply helps apply more mechanical pressure to the master cylinder. Try this test to see how it works (and check the operation of a vacuum booster): With

WHITTIER

LIMEWORKS SPEEDSHOP

CALIFORNIA

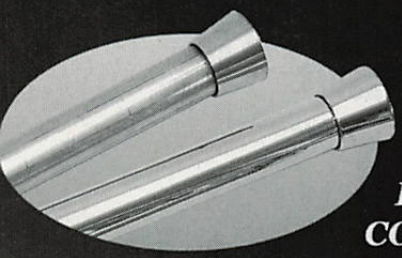


EARLY FORD STYLE DROP

3 inch drop with the curvaceous style of the originals, polished to perfection. '39 or '32 style - fits '32 dash perfectly! for 1 1/2 or 1 3/4" columns. $110

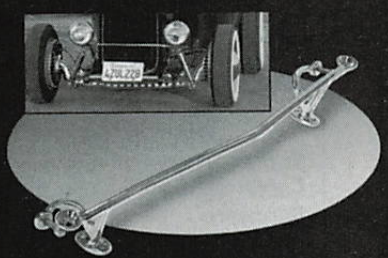
TURN SIGNALS

Turn signal/column drop for 1 3/4" columns, with 4 1/2" drop, $199. Signal only for 1 3/4" & 1 1/2" columns, $120.



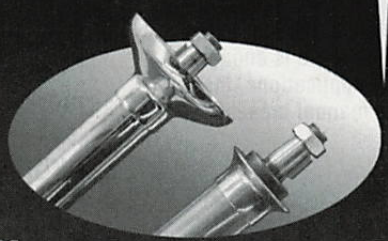
HOT ROD COLUMNS

Simple, tradional & affordable. Available in plain or polished stainless, in lengths from 26 to 36" Plain $159, Polished $192. Add $50 for horn wiring



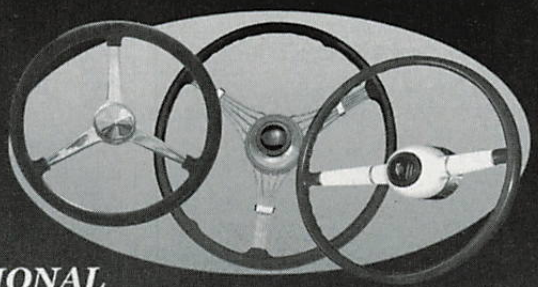
HEADLIGHT BAR/ SHOCK MOUNT

Our one piece stainless headlight bar provides a sturdy shock mount, ties the headlights together, and gives a real tradional Hot Rod look. Bolt on, for stock '32 ModelA or pinched rails. $350



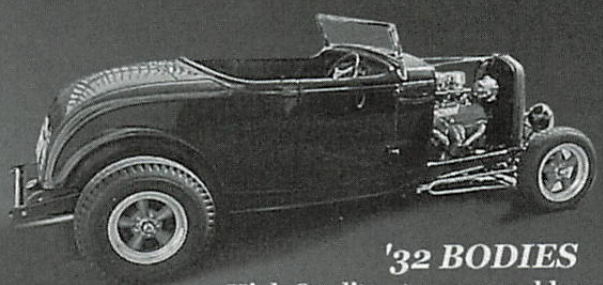
EARLY FORD STYLE COLUMNS

The same rugged construction as our popular Hot Rod columns, these have beautiful spun stainless tops, and the correct taper & key to fit original or repro Ford wheels. Available in 30 or 33 inch lengths, 1 1/2 or 1 3/4" diameter. Plain, $302.50, Polished $322.50. horn wiring standard.



TRADITIONAL STEERING WHEELS

Sprint car wheels - 3 & 4 spoke, with or w/out lightening holes, from $140 to $175.
Repro Banjo Wheel with horn centre $245.
Our 16" '40 Style wheel, in 1 of 3 colors, $250.



'32 BODIES

High Quality at a reasonable price! Fibreglass bodies with lots of steel reinforcing, and a long list of options. Call for a catalog, or go to our website. We do chassis too!

FREE CATALOG!
CALL US!

HATS & SHIRTS

T Shirts, $14, FlexFit caps $20.

7717 Greenleaf Ave, Whittier, CA 90602

Ph (562) 698 1227

www.limeworksspeedshop.com

CABLES, LEVERS & ACCESSORIES
We Got 'Em!

Emergency Brake Handle
Complete Lay Down Ratchet Style Lever. Easy Installation.
$36.00

Custom E-Brake Junction Bracket
This Custom Bracket Makes Installation Of Our Emergency Brake Cable Simple & Easy.
$18.00

Emergency Brake Foot Pedal
Push On Push Off With Built In Brake Pedal Switch, Unit Comes Complete & Ready For Installation.
$65.00

NEW!

Brake Cable Hardware
We Have In Stock All Kinds Of Hardware Designed Specifically For Installation of Brake Cables.

Line Clamps / Stainless & Black Nylon
Ideal For Brake Lines & Cables. Stainless Steel Clamps Available In Single Or Double Applications.

Nylon Line Clamps
P/N MV-3 (3/16"), P/N MV-4 (1/4"), P/N MV-5 (5/16"), P/N MV-6 (3/8"), P/N MV-7 (7/16"), P/N MV-8 (1/2"), Come In Packages of 10 Per Size.
$5.50

Stainless Line Clamps
S/S Clamps Come With Button Head Screws
Single 3/16" Or 1/4"
12 Pieces, **$14.95**

Single 5/16", 3/8" Or 1/2".....6 Pieces, **$9.95**
Double 3/16" X 3/8" .....6 Pieces, **$14.95**
Double 3/8" X 3/8" .....6 Pieces, **$14.95**
Double 1/2" X 1/2" .....6 Pieces, **$14.95**

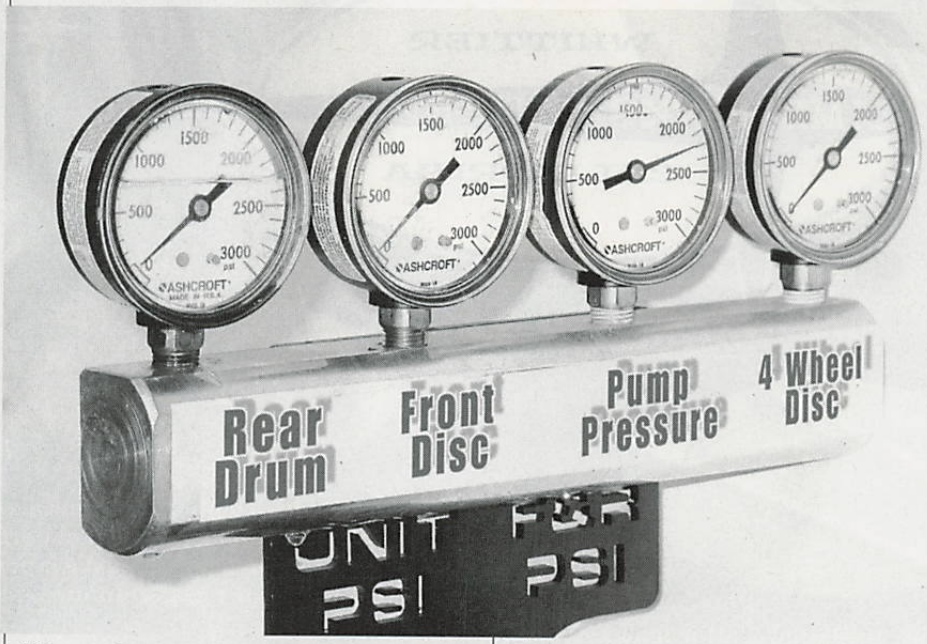
Real Brake Cables
Custom Made To Any length. Can Be Made To fit Most Applications. Total Swaged Construction. Eliminates Set Screws Which Can Come Loose. Call For Layout Sheet Or Download From Web Site.

Custom Cables
We Build Cables For Most Types Of Applications. Clutch, Heater, Brake, Push-Pull, Call Us For All Your Cable Needs.

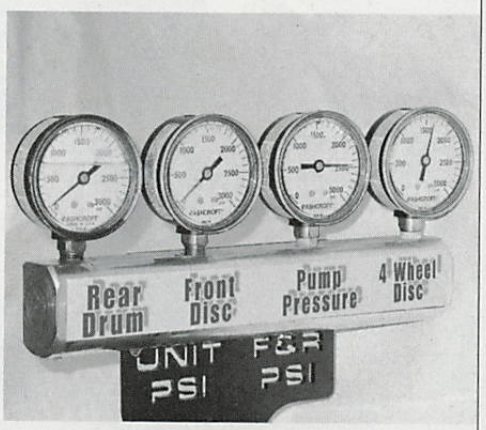
Cablecraft

VISA

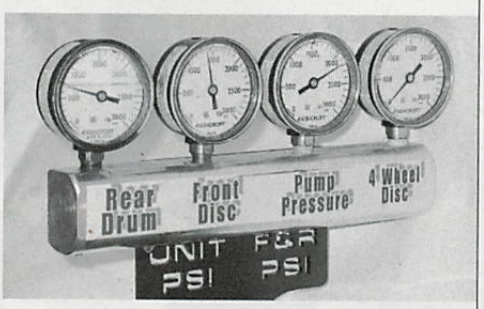
Control CABLES INC.
9816 Alburtis Ave. / Santa Fe Springs, CA 90670
Fax: (562) 949-0595
Order Line: (562) 949-0455
www.controlcables.com
Dealer Inquiries Invited



This set of gauges shows what happens with an electric booster. As soon as the ignition switch is turned on, the system pressure builds to approximately 2,400 psi. In the event of a pump failure there is enough pressure for 25 brake applications, then the system reverts to manual brakes.



In this case the brake pedal of the disc brake simulator is depressed enough to deliver 1,600 psi to all four wheels. As with any system, how hard you step on the brake pedal determines how much pressure is sent to the calipers.



In this case, the disc/drum portion of the simulator is being used. The disc/drum master cylinder is delivering 1,400 psi to the front brakes while the proportioning valve is limiting the rear drums to 700 psi in this example.

the engine off, step on the brake pedal. Then, while holding the pedal down, start the engine. The brake pedal will drop slightly if the booster is working properly.

HYDRAULIC BOOSTERS

This type of booster taps into the power steering line and uses hydraulic pressure to supplement the pedal pressure applied to the master cylinder.

Hydraulic boosters are often found on diesel engines as the vacuum type won't work (diesels don't have manifold vacuum), but they work on gas engines just as well. (GM used them on a variety of diesel cars and trucks and Ford/Mercury used them in the '70s on some of their larger gas-powered cars.) While hydraulic boosters are ideal for diesels, they also work well on gas that have low manifold vacuum as the result of an aggressive camshaft.

In operation, fluid flows from the power steering pump, through the brake booster, then on to the steering box. The steering box and the brake booster both have return lines, and to accommodate them, the pumps used in these applications normally have two return fittings.

When the brakes aren't in use, fluid flows through the booster to the steering box. But when the brake pedal is depressed, pressurized fluid flows through a spool valve into a chamber in the booster. There, the fluid applies pressure to a piston,

Southern Rods & Parts

7878763

1-800-STRT-ROD

Southern Rods & Parts 2125 Airport Rd., Greer SC 29651 • www.southernrods.com
Orders only: 800.787.8763 • Tech Line: 864.848.0601 • Fax: 864.801.0601

Steering Wheel Combo Kit
Includes LeCarra Mark 9 wheel, horn button, column adapter, custom and small horn button (shown) also available but not shown in combo kit. All Polished ***$179.00***

NEW!

Flame Steering Wheel
All chrome or 3/4 leather wrap ***$219.95***
Complete with chrome full cover button and chrome adaptor GM only. Add ***$10.00*** for flamed button.

3/4 Wrap Chrome Plated Billet Steering Wheels
Complete with chrome hub adapter to fit GM/Ididit or Flaming River steering columns and full cover chrome horn button. ***$219.00***

Add ***$10.00*** for New Chrome plated, flamed horn button.

New Flaming River or I-DID-IT Steering Columns
Available in tilt with shifter or without shifter for floor shift enthusiasts. Available in plain, polished or chrome finish. Columns come complete with all necessary hardware and ready for installation.

Plain Tilt ***$259.00***
Polished Stainless ***$399.00***
Chrome ***$359.00***

Chrome with Column Shifter Slightly More.

Flaming River Columns Uses All New Parts & Has A 3-yr Warranty.

Hot Rod & Full Length Headers
Pro built block hugger headers, jet hot coated inside and out, headers come with reducers and all necessary hardware for installation. Lifetime Warranty. Sets.

- S/B Chevy Coated Hugger ***$169.95***
- S/B Chevy Plain ..... ***$ 89.00***
- B/B Chevy Coated..... ***$190.00***
- B/B Chevy Plain..... ***$109.00***
- S/B Ford Coated ***$190.00***
- S/B Ford Plain ***$109.00***
- 28-48 Full Length Jet Hot Coated... ***$289.95***
- Headman Tight Tuck, Coated ***$279.00***
- Polished Stainless Steel Huggers... ***$210.00***

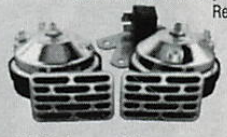
Chrome or Jet Coated Sprint or T-Bucket Headers
Outside frame headers all chrome or jet coated with mufflers and special extensions.

- S/B Ford..... set, ***$369.00***
- S/B Chevy..... set, ***$359.95***
- B/B Chevy..... set, ***$395.95***

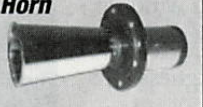
Billet American
2-Piece Knockoffs CNC milled ***$255.00*** *set of 4*

Billet Slip Stick
With 3/8" Center ***$55.00***
Three positions.

Hi-Lo Dual Horns, 1 Terminal
Red Plastic Top ***$26.00*** pair
Chrome Top ***$29.90*** pair



Old Timer Horn
Chrome Aooga horn ***$48.00***



World's Only Forged Steel Mustang II One-Piece Drop Spindles
SPECIAL ***$199.00*** pair

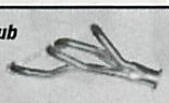
Lokar Shifter
All Lokar Shifters & other products are in stock and ready to ship. We make super deals on throttle cables, kickdowns cables, pedals and other hot Lokar Products.

Lokar Tail Mount Shifters
From, ***$155.00***
For Chrysler applications
Just add ***$20.00***

Lokar Old Style Shifter
Designed with 2-bends in the lever for that nostalgia hot rod look. Also available for Chrysler applications
Just add ***$10.00***
Nostalgia Shifter ***$199.00***

Lokar Throttle Cable, Kickdown Cable & Spring Combo
Combo comes with black throttle cable, black kickdown cable & double throttle spring. Combo ***$62.00***

Camaro Nova Sub Frame Headers
Available for the Camaro, Nova and Chevelle's also for the sub framed hot rod.

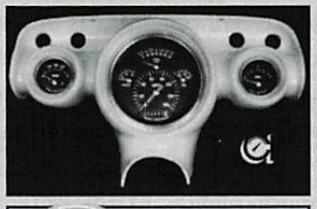


- Plain ..... set, ***$129.00***
- Jet Hot Coated inside & Out .... set, ***$249.00***

Copper Header Gaskets
Every thing you need for header installation.

S/B & B/B Chevy & Ford Headside ***$29.95*** pair
Collector Gaskets ***$14.00*** set
Square Collectors ***$20.00*** pair

New Classic Instruments '57 Chevy Gauge Cluster $679.95
Does not include gauge panel.



New 5" AutoMeter Gauges
Direct fit for all '48 thru '53 Chevy & GMC pickups. Plus '63-'67 Corvettes. All electric programmable.

Black with red, white with red, or white with black. ***$415.00*** pair

AutoMeter

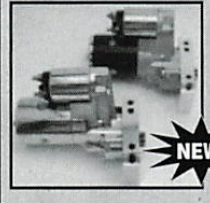
AutoMeter Sets....from $249.00

VDO 5 Gauge Set with Tach

Set available with new convex gauge lenses. VDO Contour is electric and can be programmed with little or no effort. Kit comes with all senders and is available in either white or gold.

- 5-Gauge Set With Senders ...set, ***$269.00***
- VDO Tach Meter .....extra, ***$69.95***

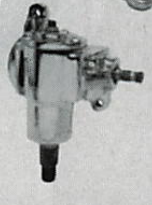
VDO 5 Gauge Mechanical Set $179.00



NEW!

New Southern Rods Starters
Heavy Duty 12V 2.0 KW Motor ***$110.00***
Chrome ***$159.00***

Power Steering Bracket Kit
Big or Small Block Chevy. ***$59.95***



Flaming River Vega Steering Box
For all straight axle hot rods. New not a rebuilt. Steering Box ***$319.00***

New 525 Steering Box is slightly larger than the Vega using the same mount ***$249.00***

Smooth Chrome Alternator
"New Not Rebuilt" Available in 80 amp, 100 amp & 110 amp applications. Pulleys come in single groove or Serpentine.

- 80 amp ***$85.00***
- 100 amp ***$95.00***
- L-T1, V-Belt, Serpentine (110 amp) ***$175.00***

Complete Power Window Kit
Comes with 3 Lit Buttons and all necessary hardware including channel. ***$139.95*** complete

NEW!

Worlds Best Power Window Kits
All kits come complete with cross-over wiring harness, 2 lit buttons, floating window channels & Bosche Motors.

- Self Aligning Power Window Kit ***$229.95***
- Less Buttons & Harness ***$199.00***
- '55–'57 Chevy Direct Fit & Pickups ..... ***$279.00*** complete

Street Rod Power Trunk Lift
Complete and easy to install with button and harness. only ***$195.00***

New Billet Inside Door Handle Kit
With cables, easy to install in minutes. Simple for bear claws or stock latches... ***$134.95*** pair

Southern Rods Kwik Wire Harness Kit
When building a hot rod, you want the very best parts at the very best price, Southern Rods has both. Wiring kits are color coded, labeled & numbered for an easy installation.

- 14 Circuit Kit fits All Columns ***$189.95***
- 22 Circuit Kit fits All Columns ***$239.95***
- 8 Circuit Kit For Roadsters, etc. ***$159.95***

'39 Ford ALL L.E.D. Lens Replacement Tail Lights
Lens Only ***$59.95*** pair
Complete with housing ***$89.95***

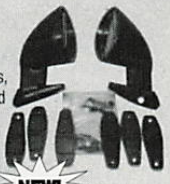
Very Brite!

Street Rod Tail Lights
Available for Both Ford Teardrop ('38/'39) and Chevy ('41–'48) with or without blue dots. Pair.

Comes complete with rubber gasket and wiring.

- Ford Plain ***$40.00***
- Ford w/Blue Dot ***$45.00***
- Chevy Plain, Red Lens .. ***$45.00***
- Chevy w/Blue Dots ***$49.50***

New Carolina Mirrors
Comes complete with wedges gaskets, screw hole plugs and mounting hardware. California Style. ***$69.95*** pair



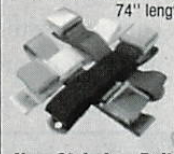
NEW!

New Polished Stainless Steel Super Swan Neck Mirrors
All mirrors come with mounting studs for easy installation. ***$50.00*** pair

Swan Neck & Curved Arm Mirrors
Curved arm mirrors available in 3" or 4" sizes with stainless head. 4" available with stud.

- Large Round..... ***$19.95*** each
- Small Round (Peep) ..... ***$19.95*** each
- Rectangular ..... ***$19.95*** each

Old Style Aircraft Lap Belts
Comes with chrome aircraft style buckle, in 74" length belt. Available in an assortment of colors. Includes all mounting hardware. ***$27.00*** each



New Style Lap Belts
U.S. made 74" lap belts with brushed stainless buckle. Mounting hardware not included. Comes in an assortment of colors. ***$12.00*** each

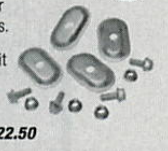
3-Point Shoulder Harness Seat Belt
Designed to fit most street rod, custom or classic application. In an assortment of colors. As Shown ***$45.00***

Retractable Lap Belt
Designed to fit most bucket seat application. Comes in an assortment of colors. As Shown ***$26.00***

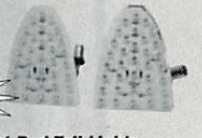
Seat Belt Hardware
Designed to fit ours or others belt assemblies.

Zinc Coated Anchor Kit (as shown) ***$14.50***

With L-Brackets for Retractables..... ***$22.50***

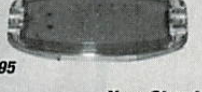


NEW '55 Chevy LED Tail Lite Inserts
Simply remove bulb and twist in and reinstall lens for a Brite future. ***$65.00*** pair



NEW!

All LED Street Rod Tail Lights
Available for both Ford Teardrop ('39) or Chevy ('41-'48 with or without blue dot). Lens Only ***$59.95*** pair



Complete w/housing ***$89.95***

New Street (Pontiac Style)
Blue Dot or Plain Tail Lights ***$80.00*** pair

which pushes on the master cylinder providing the power assist.

Also part of the system is a device called an accumulator (some are on the unit, others are remote) that stores enough pressurized fluid for at least one assisted application of the brakes if the engine quits. After that, the brakes behave as though there was no assist.

ELECTRIC BOOSTERS

Something new on the brake booster scene is the electric type. Used in conjunction with a special master cylinder, hydraulic pressure in the area of 2,500 psi is created by an electric pump. That pressure is then delivered to the master cylinder.

Two types of master cylinders are available: one is for disc brakes, front and rear, and the other is for discs and drums. The disc/drum master cylinder includes metering and proportioning valves as well as provisions for a stoplight switch. Either style can be equipped with a remote master cylinder and may be mounted on the firewall or under the floor.

A LITTLE ADVICE

Although some in our ranks lament the passing of the good-old days of street rodding when we scrounged used parts and built with what we had, the fact of the matter is the availability of new, well-engineered parts makes building a street rod easier than ever. Those parts—take readily available brake components, as an example—also make our cars better than ever. However, as a consumer, there are several considerations to be made.

First and foremost, realize that the major players in the brake business have taken a systems approach to their kits. That means that mixing and matching components from a variety of suppliers may not give you the results you are after. You could wind up with a system that is less than the sum of its parts by trying to outguess the manufacturers. Secondly, do your homework. Use the manufacturers' catalogs and Web sites to help decide on the components that best fit your needs. Then discuss your needs with the supplier, but be prepared for this step. The more information you can supply the better that supplier can meet your needs. Information like vehicle weight and distribution, type of suspension, wheel diameter, and tire sizes—not to mention your performance expectations—are all vital bits of information to get the best brakes possible. SR

ABS POWER BRAKES
233 N. Lemon St., Dept. SRM
Orange, CA 92866
(714) 771-6549
www.abspowerbrake.com

ENGINEERED COMPONENTS INC.
P.O. Box 841, Dept. SRM
Vernon, CT 06066
(860) 872-7046
www.ecihotrodbrakes.com

MASTER POWER BRAKES
110 Crosslake Park Rd., Dept. SRM
Moorseville, NC 28117
(704) 664 8866
www.mpbrakes.com

NO LIMIT ENGINEERING
455 South D St., Unit 4, Dept. SRM
San Bernardino, CA 92401
(909) 386-7637
www.nolimit.net

Our product is the foundation of our reputation.

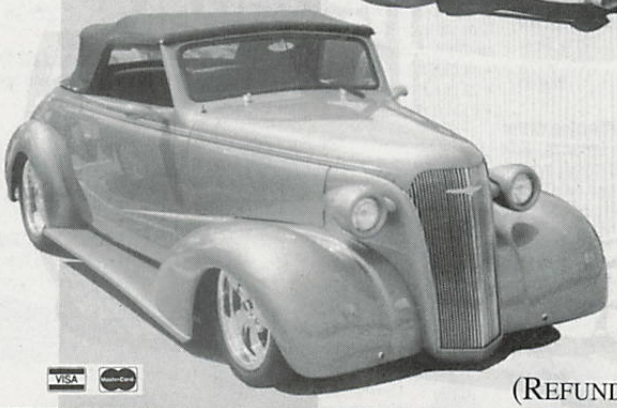
SUPERIOR GLASS WORKS

Where Service and Quality Are Number 1

FEATURING:
- Quality Hand Laid Fiberglass
- Complete Line of Chevy Cars and Pickup Parts (1931-1953)
- Ford Bodies and Parts (1927-1934)
- Mullins Trailer Kits

THE LEADER IN CHEVROLET PARTS
Including: Fenders, Running Boards, Splash Aprons, Deck Lids, Hoods, Headlight Buckets, Widened Fenders and Boards.

"WE BUILD CHASSIES"
FROM STAGE I TO COMPLETE
1932-40 FORD
1933-39 CHEVY
1947-54 CHEVY P.U.



COMPLETE ROLLING PACKAGES AVAILABLE FOR ALL OF OUR BODIES

CATALOGS $3.00
(REFUNDABLE ON FIRST PURCHASE)

Building Chevrolet and Ford

P.O. Box 1140 • Mulino, OR 97042 • (503) 829-9634 • www.superiorglassworks.com

Coil-Over Shocks *IN STOCK* at *HEIDT'S!*

INTRODUCING

HEIDT'S SUPERIDE™ REAR COIL-OVER SHOCKS.

- Adjustable Ride Height Spring Seats
- Available Painted and Powder Coated
- 5/8" Hard Chrome Shafts
- Polished Upper Cones
- Urethane Bushings
- Progressive Rate Springs
- Chrome Springs & Shock Bodies are also Available.

NEW

As Low As

$329

GIS
Guaranteed In Stock!
SHIPPING IN 48 HOURS OR SHIPPING IS FREE!

CALL FOR FREE CATALOG...
TOLL FREE 1-800-841-8188
IN ILLINOIS: 1-847-487-0150

VISA MasterCard DISCOVER

www.heidts.com

HEIDT'S

Key Code: SR1405 *111 KERRY LANE, WAUCONDA, IL 60084* Hot Rod Shop, Inc.

©2005 HEIDT'S HOT ROD SHOP, INC

BY CHRIS SHELTON | chris.shelton@primedia.com

tech

THE UPS AND DOWNS

don's hot rods' lift and latch kits for fat-fendered fords

What makes good design? Ask 10 people and you'll probably get several dozen answers. Truth be told, near countless parameters define good design. Oftentimes opinions on good design boil down to Justice Potter Stewart's famous 1964 quote: "I know it when I see it." Only Justice Potter had something far more contentious than design in mind.

Luckily for us car people, it's pretty easy to define good design. For example, doors should open with finger force. Suspension systems should plod a straight line when articulated. An interior should cosset its inhabitants without injuring them. Routine maintenance shouldn't require contortionist training.

So when we saw the trunk lift and latch kits at Don's Hot Rods, we immediate exclaimed "now that's a good design!" Objectively speaking, they practically self-install with simple tools, they take up very little room, and best of all, they work. Subjectively we'd say they look pretty sharp without influencing a car's demeanor; they're unobtrusive and fairly era-unspecific. And lastly, they serve a legitimate purpose: Factory lifts and latches wear out after propping and securing heavy lids after 60-plus years.

Proprietor Don Pilkenton and his crew engineered quite a bit of function into these units. The lift brackets, for example, align by virtue of existing holes or with simple measurements. Each application uses specific length and pressure gas struts that not only ably hold their respective lid up, they

CAROLINA CUSTOM HOT ROD PARTS

"QUALITY PARTS FOR QUALITY STREET RODS"

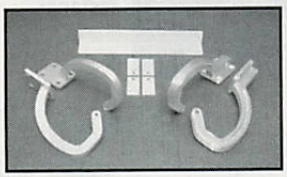
Hoods, Doors, or Trunks, Carolina Custom is your Leader in Hinges, Latches, Safety Pins and Related Hardware. More great parts at www.carolinacustom.com

DEALER FOR MOST STREET ROD MANUFACTURERS

4580 HWY. 421 N. CLINTON, NC 28328

(910) 564-6123 CATALOGS $3.50 **(910) 564-2366 FAX**

Trunk Hinge Kits



Truck hinges now available in steel or aluminum - machined from steel or aluminum plate, not cast. The steel hinges are unique as they have no visible welds. Aluminum hinges have a ball mill design and a satin finish. Hinges can be purchased separately or as a complete kit with a 40" mounting bar with hardware.

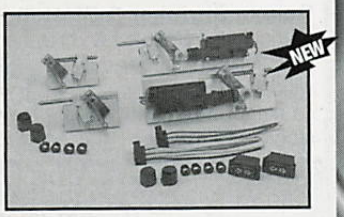
Steel Hinges Only $69.95
Steel Complete Kit..... $99.95
Aluminum Hinges Only $119.95
Aluminum Complete Kit $149.95

Manual and Power Suicide Door Safety Pins/Door Locks

A must for cars with suicide doors. These kits prevent your doors from opening if your door latch opens. These are absolutely the best quality kits made.
Our kits offer the following quality features

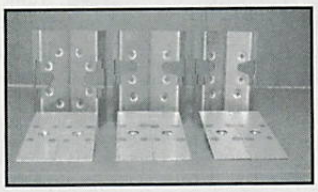
Stainless lock pin
Stainless knob shaft
Spring tension when locked
Spring tension when unlocked
Trim bushings included for both door and door post
CNC machined alum housings
Built in micro switch for light or beeper door not lock alert

NSRA BEST SAFETY PRODUCT 1999



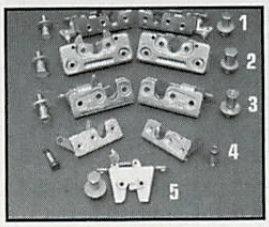
Manual Kits (NSRA Best New Product 1988) .....$55.95 pair
Electric Door Lock Kits (for locking cars from the outside with remotes)... $79.95 pair
Remote control kit to operate these kits $69.00
Electric Suicide Door Safety Pin Kit (for securing suicide doors) (includes inside switches and wing pigtails)..... $94.95 pair

Latch Install Kit



Installing latches is now a snap. Kit includes door section mounting plates and striker bolt floating nut plates and stainless latch screws. Latch plates feature die stamped screw head bosses to recess the screws for more clearance. Compare to cheaper non stamped kits. Kits available for large, small and locking latches.

Kit for 2 doors.....$49.00
Kit when purchased with latches.....$44.00
Kit when purchased with hinge and latch combo.....$39.00



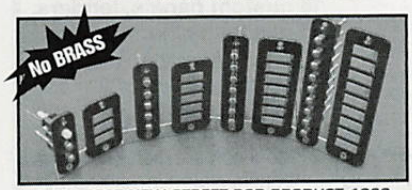
Double Catch Latches

Large and Small Standard Latches (2 and 3).....$45.00 pair
Locking Latches (1).....$69.95 pair
Mini Latches (4).....$17.00 each
Trunk Latches (5).....$25.00 each
Stainless Strikers 1/2, 9/16, 11/16 sizes avail .....$15.00 each

Hinge and Latch Combos

Deluxe Hinge Kit and Pair of Latches $339.00
Deluxe Hinge Kit, Latches, and Install Kit.....$378.00
7 Function Remote with 35# Solenoid Showed Kit...$159.95

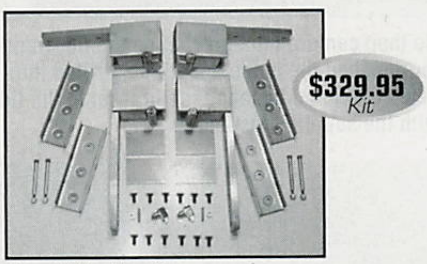
Door Jamb Wire Elim Kit



NSRA BEST NEW STREET ROD PRODUCT 1992

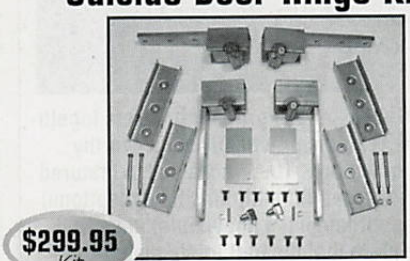
2 thru 9 contacts available packaged per door so numbers can be mixed, stainless contacts, compact size, available with or without built-in dome lite switch in all sizes.

Starting at $29.95
Please call for APPLICATION



Super Hidden Hinge Kit
For 50's and later cars and trucks. Features extra swing geometry and wider hinges needed to open these doors.
$329.95 Kit

Carolina's Hidden and Suicide Door Hinge Kits



Deluxe Hidden Hinge Kit
For 30's and 40's cars and trucks.
NSRA Best New Street Rod Product 1990
$299.95 Kit

Check out our features listed below and see why our hinge kits have become the most popular and widely used kits by home builders and pro-builders alike.

13 years of hinge manufacturing, our expert and always available tech help, if needed, and our exclusive lifetime warranty has resulted in the strongest, most easy to install and best value kits on the market today. Just ask the rodder who has one. So revolutionary, they won the NSRA Best New Product Award (1990).

- 3 mounting screws per hinge strap for strength
- High strength cold roll steel hinge straps - not hot roll
- Self lubricating bushing in both hinge pocket and hinge strap
- Hardened and ground hinge pins/screws
- Adjustable door stop
- Adjustable bolt up pockets for doors
- 90 opening most cars
- Hidden switches for dome lights/alarms

Remember, hinges are part of the structural strength of your car, why settle for less? Don't confuse these with other hinges on the market - There is a difference! There are plenty of imitations, but only one Carolina Custom.

Carolina's 3pc Hood, Hinge & Latch Kits

Our double/triple opening kit is CNC machined from aluminum and stainless steel and allows the hood to be opened from the left, right or taken completely off. Precision machining allows us to offer kits for both steel and fiberglass hoods - not just a universal kit. Our steel single opening kit can be installed to open on whichever side the customer desires. All kits include stainless steel hood props at no additional cost. Steel hood braces are made from 3/8" round stock. Aluminum hood braces are CNC machined from plate stock - not a casting and are satin finished. Manufactured and engineered by us to be the easiest to install and best quality and value available.

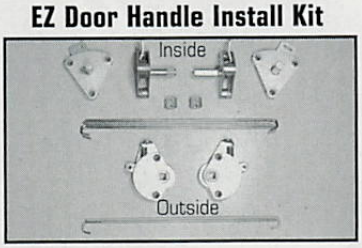
Free shipping on latch and brace combo kits

Triple Opening Kit $299.95
NSRA Best Product 1994
Single Opening Kit $239.95

Steel Hood Brace Kits $69.95
Aluminum Hood Brace Kits $120.00
Available for 30-31, 32, 33-34, 35 Ford and 34-35 Chevy

The preferred choice with home builders and pro builders alike.
Recommended by Hercules Hoods.
More choices and best quality by Carolina Custom

EZ Door Handle Install Kit



These kits make it easier to install door handles when using bearjaw latches. Inside kits are available for either Ford and Mopar Square shank or GM spline shaft. Outside kits are for square shank handles. All kits are springloaded to return handles to original position and come with connecting rods.

Inside Handle Kit (specify square or spline)....$49.00 (2 doors)
Outside Handle Kit..... $49.00 (2 doors)

METALWORKING
Tools & Equipment

Metal Shrinker & Stretcher

TP TOOLS & Equipment

Reproduce, repair, or create doglegs, flanges, trunk & window edges, and custom patch pieces on your street rod... ***in your own shop!***

- **Shrinker** forms inside angles & radiuses; **Stretcher** forms outside angles & radiuses
- For steel, aluminum, stainless, some vinyls, flanges up to 2"w. 16 ga mild steel capacity. 1" jaw depth
- Cast-iron body, hardened steel jaws

Deluxe Shrinker & Stretcher Kit includes Shrinker & Stretcher Machines and super-duty all-welded 11 ga steel stand. ~~$399~~ **$369** **SALE** #8036-55 + $35 S&H US-48

MetalAce 22B English Wheel

A favorite among restorers! **Form sheet metal and design or duplicate custom panels, fenders, gas tanks, flarings, etc.**

- Thickness capacity for steel-16 gauge; alum-3/32" • Can roll to center of 44" panel • Heavy-duty welded tubular steel construction • Mount to bench, clamp in vise, or use w/optional stand • Includes (1) 2.375" Radius Anvil *(others available, call)* • 29"H, 27"W • Throat: 22" • Wt: 75 lbs

SALE

#MA-22B English Wheel ~~$599~~ **$559** Add for Prepaid Shipping: $30 East, $40 to Rockies, $50 West

$AVE! 22B English Wheel & Optional Stand - #MA-22KIT ~~$749~~ **$699** + S&H, call

NEW! Air Planishing Hammer

The most useful piece of metal-shaping equipment a shop can have! Create smooth custom patch panels, floor pans, dashes, center consoles, firewall inserts, and even fender contours. Fast hammering action of upper power head hammer forces metal piece over lower die, thus stretching and shaping the metal.

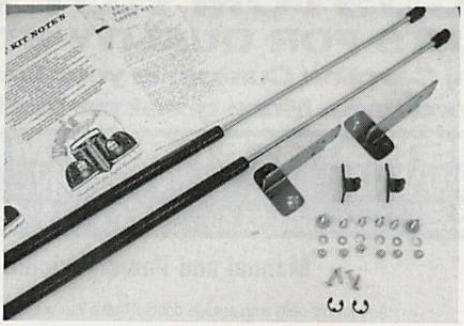
- 16 gauge steel capacity; 1/8" aluminum capacity • 0-4000 bpm power head hammer • 26" throat • Includes flat upper die and 4 lower dies • Foot-Pedal-Operated • Requires 10-15 cfm @ 90 psi air

#NR-26SD Bench-Mount Planishing Hammer **$799**
Add for Shipping: $30 East, $40 to Rockies, $50 West

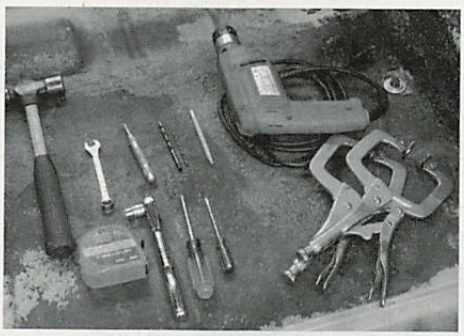
$AVE! Planishing Hammer & Optional Stand - #NR-26KIT **$899** + S&H, call

Mention code SR-P! Sale ends 9/24/05!

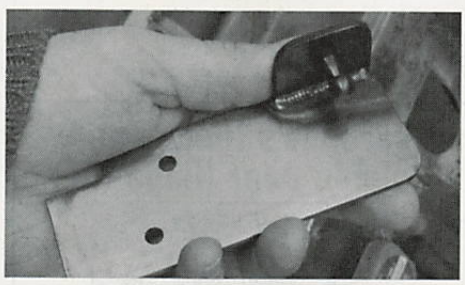
TP Tools & Equipment
Code SR-P, 7075 Rt 446, PO Box 649, Canfield OH 44406
1-800-321-9260
www.tptools.com
FREE catalog!
Info 330-533-3384 • 24Hr Fax 330-533-2876



Don Pilkenton is one of those very thorough guys; you don't win the *Ridler* or *America's Most Beautiful Roadster* by cutting corners. These lift and latch kits come complete with comprehensive hardware and instructions. Not just that, Don's Hot Rods publishes the instructions for all their products on their Web page.



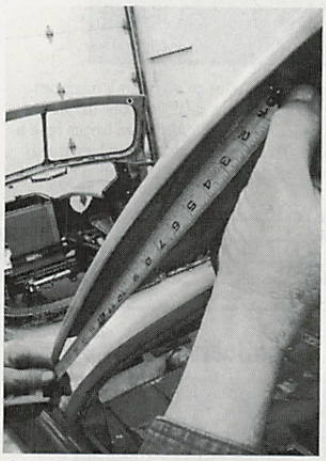
These kits also cover the spread from the at-home builder right up to the production rod shop. To get that sort of coverage, Don engineered the kit to install with the simplest of tools. For the lift kit, Jay Flanders used a simple drill, a tape measure, some clamps, screwdrivers, and a hammer and punch.



Don's TIG-welds these primary brackets together and the result is practically show-worthy right out of the box. The brackets also featured durable hardened lift balljoints for exceptional durability. Although it's not visible, keep in mind the plate that the ball joints mount to extends to the anterior side of the bracket's main plate. Note the notch in the bracket's main plate to the left and the two holes.

The bracket itself mates to the inner wheelwell and trunk support. The bracket's notch in the prior photo corresponds to the wheelwell's shape, thereby aligning the bracket. Jay then transfer-punched the two holes' location to the trunk support, drilled them, and installed the supplied 1/4-inch fasteners.

The balljoint plate that extends ahead of the main bracket supports the bracket on a second axis to secure the bracket to the body structure. Once again, Jay transfer-punched, drilled, and installed the supplied fastener.



Jay broke out the tape measure for the kit's only measurement-specific dimension: the secondary lift bracket. He measured 17 1/2 inches back from the trunk lid edge to locate the lid bracket's centerline.

He then centered the bracket on the lid, transfer-punched the holes' locations, drilled the new holes, and fastened the bracket to the lid with the supplied fasteners.

Jay pulled the clips from the lifts' sockets with a flat-bladed screwdriver, installed the lift sockets over the ball joints, and released the clips.

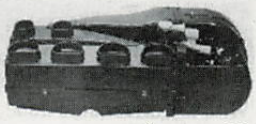
Order line 1-877-366-2246
Tech line 1-816-453-2761

MasterCard VISA

Hagan
STREET ROD NECESSITIES

FUEL DOORS
Round-Square-Tear Drop
Flat or Curved
$124.00 ea.

VINTAGE AIR



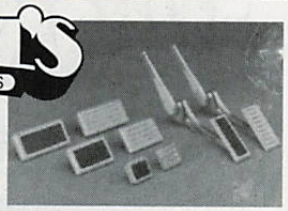
GEN II Super..... HC $480.00
HCD $510.00
Compac or Mini.... HC $420.00
HCD $480.00
Hose Kits $99.95 Condensers from $139.95
Comp. R 12 Or 134 Unpol. $199.00 Polish. $249.00

BORGESON

SS and SS Polished available Also

Smooth Both Ends $58.00
Splined or DD One End $61.00
Splined Both Ends $63.00
Shaft Support $24.95

BIGA'S CARPONENTS



Throttle pedal
Brake Pads
Dimmer Cover
Prop Rods
Arm Rests

FAT MAN FABRICATIONS

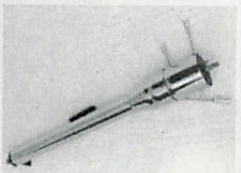
NEW BODY ENGINEERING

Juliano's

SEAT BEALTS
Lap $17.99 ea. 3 Point $89.95 ea. Retractable Lap $34.95 ea.
HORNS Black & Chrome $35.00 pair Red & Chrome $32.00 pair

idiit INCORPORATED

STEERING COLUMN
Chrome or Steel From $299.00
New Swivel Floor Mounts $89.95

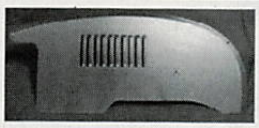


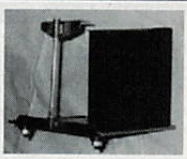
CHASSIS ENGINEERING INC.

MP MASTER POWER BRAKES

"TANKS" Inc.

BILLET Specialties WHEELS & ACCESSORIES

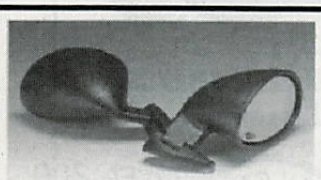




39-40 Ford Inner Fender Panels
$285.00 pr.

KC STREET ROD PARTS

SS Drop Out Battery Box
$99.95 ea.



SALLY HILL

Paintable Outside Mirrors
$59.00 pr. Including Mounting Wedge

LECARRA Steering Wheels

Banjo $358.95
Std, Gt, Elegante &Double Slot $119.00 ea.

Steel 1932 Style Dash
28-29F or 30-31F Open or Closed Car... $138.00 ea.

BROOKVILLE ROADSTER

1932 Steel Grill Shell..... $287.00

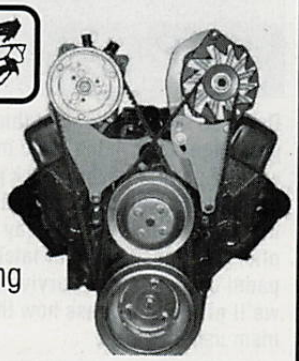
Rear Roll Pan
28-31 Coupe or Roadster with or without Taillights..... $322.00 or $253.00

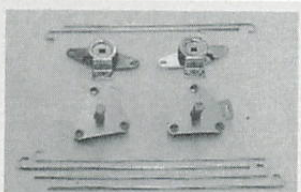
LOKAR PERFORMANCE PRODUCTS

AUTOMATIC TRANSMISSION SHIFTER
ATS6350B 16" $184.95
ATS6350C 12" $179.95
THROTTLE CABLE TC-1000HT $33.95 TC-1000U $28.95
KICKDOWN CABLE KD-2350HT $50.95

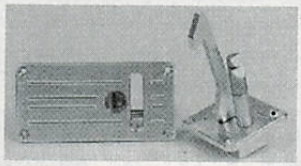
ALAN GROVE COMPONENTS, INC.

AC, Alternator, and Power Steering Brackets





EZ DOOR HANDLE INSTALL KITS
Inside or Outside
$49.00



Billet Hood Latch Polished
$199.95

Specialty Power Windows®

POWER WINDOW KIT $399.00
WIPER KIT $265.00

VALLEY
AUTO ACCESSORIES MANUFACTURING, INC.

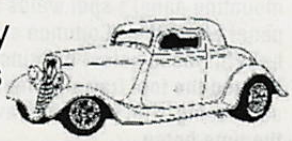
SPAL ADVANCED TECHNOLOGIES

HIGH VELOCITY SLIM LINE
16" $139.95 ea.

Redneck STREET RODS

32 Ford Coupe
33 Ford Sedan
34 Ford Coupe
Mullins Type trailer

Top Quality Fiberglass Bodies

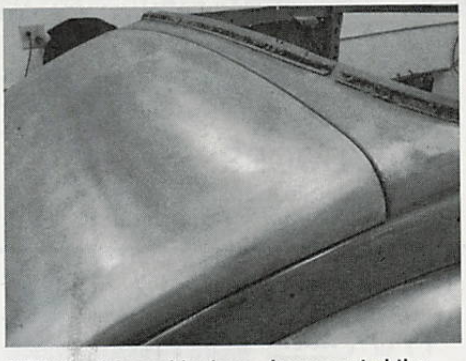


CAROLINA CUSTOM

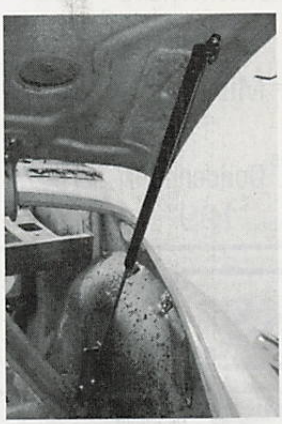
Billet Trunk Latch-Pol..... $184.95
Suicide Door Safety Pin Kits.. $55.95 to $129.95

Wheel Vintiques Inc.

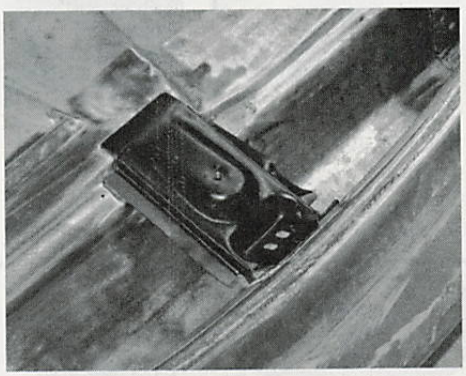
Prices subject to change without notice. Prices do not include shipping.



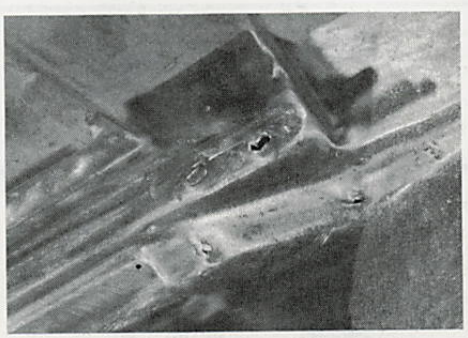
With the driver side done, Jay repeated the process on the passenger side.



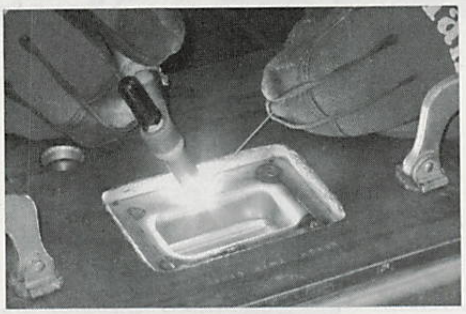
Once Jay completed the install we shut the lid and basked in the glow of a job well done. Keep in mind that this kit doesn't force the decklid out of alignment like some lift kits do.



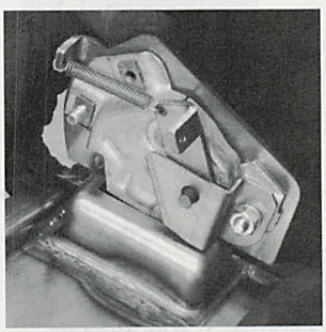
Down on the lower end of things, the late-'30s passenger cars' latch plate mounts to a spot-welded panel like this black piece above the tool tray. Even though companies offer replacements for this panel, nobody to our knowledge offers the mechanism or latch plate itself. If the panel or plate didn't survive the test of time, we'll give you a guess how the latch mechanism usually fares.



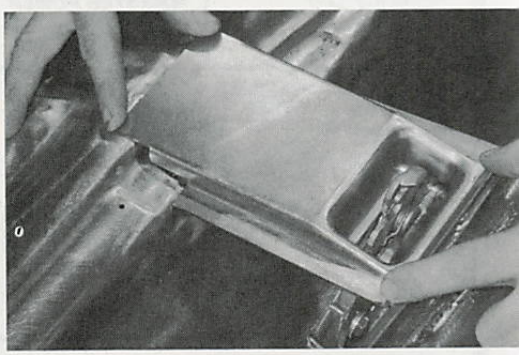
So Don's guy, Tim Robbins, drilled out the mounting panel's spot welds and removed the panel altogether. Common sense dictates that he'll fill these holes, but since this was a dry run and the tool tray still needed some addressing, Tim opted to leave the holes be for the time being.



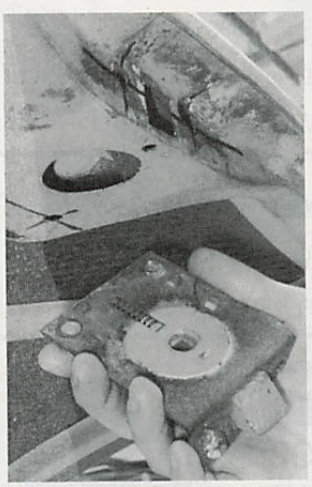
Don's fabricators weld the latch mounting pockets to the panels the same way they weld the lift kits together: by TIG-welding them. When combined with a few corrective hammer blows and a bit of grinding on the topside the welds simply disappear.



The latch kits use OE-style mechanisms. These pieces yield a very stable and reliable kit that works with cables and/or solenoids.

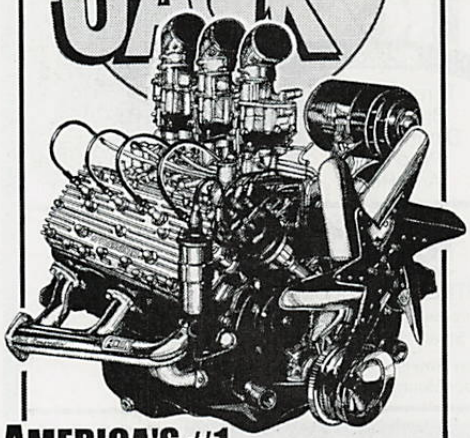


The details really set these kits apart from the rest. For starters, the latch panel sits flush with the trunk floor. Not just that, it also features stepped flanges to retain the tool tray covers, thereby extending the trunk floor ala Ford's design. A typical installation usually requires welding, although a crafty bracket maker could do the job with a few small fasteners.

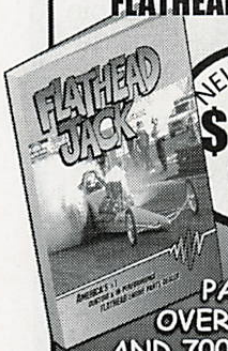


Four rust-seized fasteners locked this Ford latch mechanism in place, prompting Tim to drill them out. A dose of penetrating oil and a bit of elbow grease would get this latch back in working order, but it still wouldn't address a shaved-decklid application. That, and the latch's tongue suffered some pretty heavy pitting over the years.

FLATHEAD JACK™



AMERICA'S #1
CUSTOM & HI-PERFORMANCE
FLATHEAD ENGINE PARTS DEALER



NEW CATALOG $8

OVER 200 NEW PARTS !

OUR NEW 120 PAGE CATALOG WITH OVER 500 PHOTOGRAPHS AND 700 PARTS LISTED IS THE MOST COMPREHENSIVE SELECTION OF QUALITY CUSTOM & HI-PERFORMANCE FLATHEAD ENGINE PARTS AVAILABLE IN AMERICA TODAY.

FAST, DEPENDABLE AND QUALITY SERVICE FOR ALL YOUR FLATHEAD NEEDS, FLATHEAD JACK HAS OVER 40 YEARS OF EXPERIENCE IN HOT-RODDING HENRY'S FAMOUS FORD AND MERCURY FLATHEAD ENGINES, WE OFFER FIRST HAND KNOWLEDGE, HOW-TO INFORMATION AND TECH SUPPORT TO ASSIST YOU IN ACQUIRING THE RIGHT PARTS YOU NEED, WHEN YOU NEED THEM!

FLATHEAD JACK HOT ROD ENGINES
1561 THIRD AVE. WALNUT CREEK CA 94597
PH. (925) 932-2233 FAX (925) 932-1851

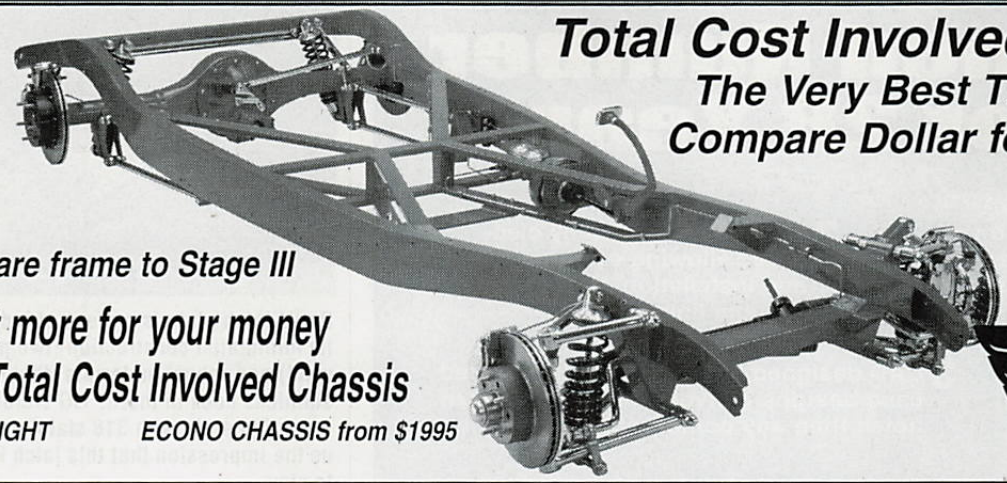
NEW TOLL FREE ORDER LINE
1-888-993-2233
flatheadjack.com

JPL •Free Shipping•

What you see is what you pay!

Total Cost Involved Chassis...

The Very Best There Is!
Compare Dollar for Dollar.



FROM JPL TO YOUR DOOR!

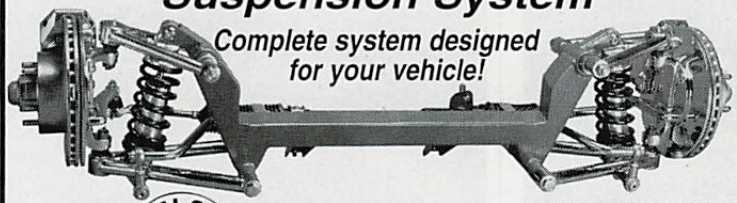
From bare frame to Stage III

You get more for your money with a Total Cost Involved Chassis

FREE FREIGHT *ECONO CHASSIS from $1995*

Custom Independent Front Suspension System

Complete system designed for your vehicle!

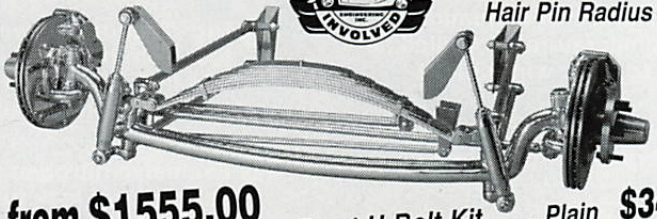


HEIDT'S Hot Rod Shop, Inc.

from $2295.00

Dropped Axle Front Suspension

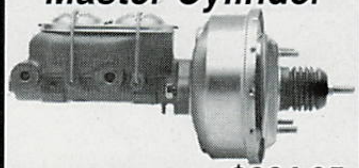
Tube or I-Beam Axle
Parallel 4-link or
Hair Pin Radius Rods



from $1555.00

Front U-Bolt Kit.....Plain **$34.95**
Chrome **$54.95**
Stainless **$94.95**

New 7 inch Power Brake Booster & Master Cylinder

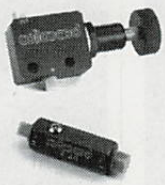


Booster & Master $224.95
7" Booster Only $149.95
Master Cylinder Only $79.95
Adapter Fittings $15.00pr.

Wilwood

Don't settle for less!

Adjustable Proportioning Valve **$59.95**



Residual Valve
2lb **$22.50**
10lb **$22.50**

Brake Switch with Flared Tee **$29.95**

Universal Brake Line Kits!

Contains 4 Braided Stainless Flex Hoses, Tubing, Fittings, Aluminum Line Clamps, Stop Light Switch and Instructions. Stainless Kit includes Stainless Bulkheads or Thru-Frame Fittings

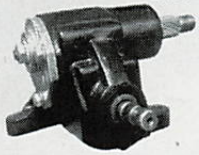
Plain Steel $179.95

Stainless Steel $359.95

New Vega Steering Box

Plain **$359.95**
Chrome **$549.95**
Aluminum **$479.95**
Polished **$569.95**
Billet **$659.95**

Mounting Bracket **$34.95**



Pitman arm
Plain **$59.95**
Polished **$69.95**

Polished Cap Nut **$29.95**

Power Brake Pedal Assembly

Disc-Drum
Disc-Disc.
Drum-Drum

from $349.95

Complete Assembly includes Pedal Arm, Bracket, Booster and Master Cylinder.

All New Parts

Brake & Clutch Pedal Assembly

Complete with Universal Bracket, PedalArms, Brake & Clutch Master Cylinders and Hardware. Power Unit has 7"Power Booster

$499.95 Power

$429.95 Manual

Swing Pedal Power Brake Assembly- Firewall Mount

New with 8" Booster, Master Cylinder and Adjustable Universal Mounting Brackets

$399.95

Combination Valve with Lines
Disc-Disc add $149.95
Disc-Drum add $139.95

All New Manual Brake Assembly

from $174.95

Disc-Drum
Disc-Disc
Drum-Drum

Pedal Assembly Only From $99.95

New Master Cylinder Only From $74.95

•Free Shipping on prepaid orders of $100 or more. Cont. U.S. only

2681 Brodhead Road
Aliquippa, PA. 15001

100% Satisfaction... Guaranteed

Ph. (724) 375-3940
FAX (724) 375-9220

VISA MasterCard DISCOVER

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

T-Shirt $10.00

JPL Street Rods ALIQUIPPA, PA.

There's A Lot Of Reasons We've Remained Number One For 28 Years

Here's Just Ten...

1 Electronic servo actuator on all air doors and water valve allow infinite temperature adjustments and air flow control.

2 All controls are fully electronic allowing easy routing and installation. No cables or vacuum lines to route.

3 CAD designed and computer flow-tested case designs deliver more air with less noise than any comparably sized unit.

4 Servo actuated air doors open fully for unobstructed flow pattern and seal completely for superior mode control.

5 Rubber mounted fan and motor for quiet running.

6 Circuit breaker protection instead of common fuses.

7 Dedicated and enlarged defrost outlets deliver amazing volumes of dehumidified and temperature-controlled air right to your windshield.

8 Molded-in outlets improved air delivery and strengthen case.

9 Big 12 gauge power wiring protect from high current loads and 2 in-line relays protect switches from premature failures.

10 Exclusive nitrogen pre-charge assures dry leak free coil.

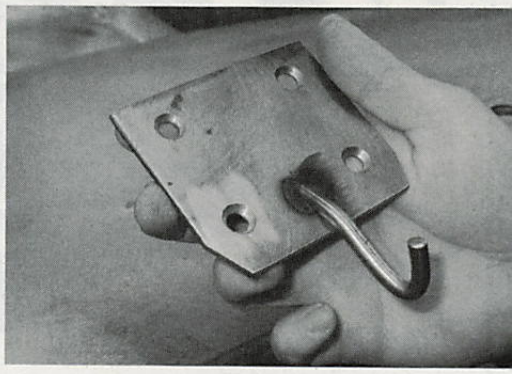
GEN-II* System With Lighted 4 Lever Controls (Standard)

VINTAGE AIR

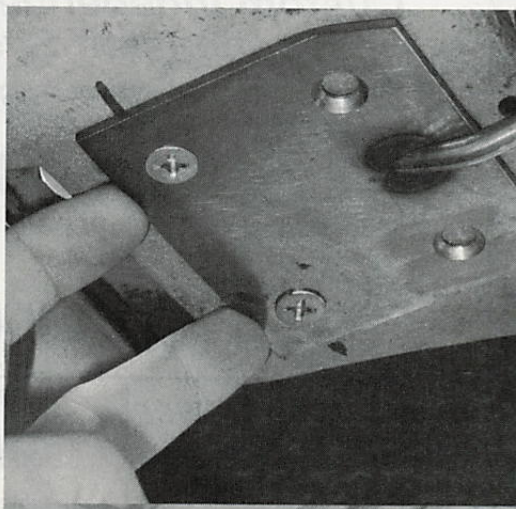
800.727.7094
www.vintageair.com

The Hatfield Restorations '34 Coupe Features Vintage Air Gen-II Technology

80 Page Catalog $5



Don's latch plate is a piece of industrial art; its minimalist construction (two pieces, one weld) and robust materials (that's a 1/4-inch stainless hook in there, TIG-welded to the mounting plate with 318 stainless rod) gave us the impression that this latch kit is here to stay.



The latch plate fastens with the two forward Ford-drilled holes that once held the old latch mechanism. Once fastened to the forward holes the latch plate serves as a template to drill the two additional holes. While we'll admit that the typical install sequence makes things look easier than they are, we have to admit this practically fell together!

hold it all the way up. When shut, the lift kits don't push the lid out.

The latch kits eliminate the factory latch panel and sit flush with the rest of the floor. These kits use OE-style catches and mount in low-profile latch plates. The kit relocates the latch itself from the trunk lid to the trunk floor and alleviates the trunk handle from its releasing duties, offering the builder the opportunity to use it as a lift handle or shave it altogether. Finally, these kits rigidly fix the lid in place when closed and adjust easily for precise panel alignment.

Don's Hot Rods offers supports for the following Ford passenger cars: 1932 roadsters, five-window coupes, and cabriolets; 1933-'34 roadsters, coupes, and cabriolets; 1937 coupe, slant-back, and humpback sedans; 1938-'40 coupes and cabriolets; and 1946-'48 coupes and cabriolets.

Don's also offers latches in cable and/or electric release for the following Ford passenger cars: steel 1932 coupes, roadsters, and cabriolets (trunk cars or converted rumble cars only) and fiberglass cars that use Ford's inner panel design; 1933-'34 passenger cars; 1937 coupe, hump- and slant-back sedans; and 1938-'40 passenger cars (except '38 standard). Finally, if your car doesn't match these criteria, Don's offers universal latch kits that will adapt to nearly every application (although the universal kits require fabrication).

We followed along as Jay Flanders installed a lift kit in a '40 cabriolet and Tim Robbins installed a latch kit in a '37 coupe. While the '37 and '40 kits differ, they install and work under similar principles.

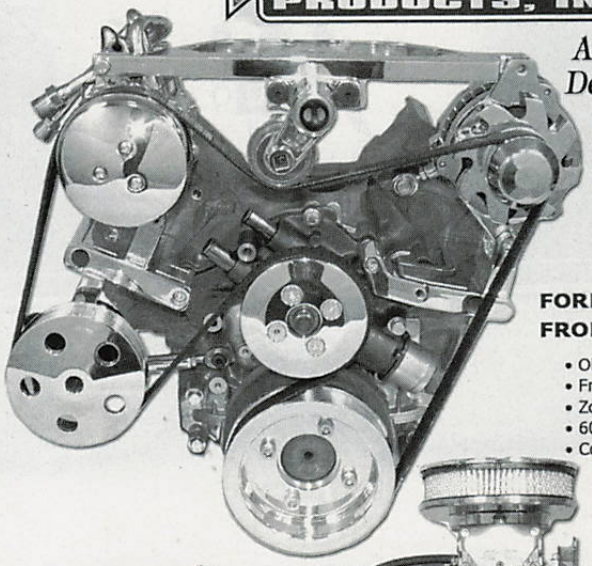
As for the design quality, we're convinced. However, we leave it up to you to judge. Luckily, it's a simple verdict. SR

DON'S HOT RODS
2643 Dayton Germantown Pike,
Dept. SRM
Germantown, OH 45327
(937) 855-3605
www.donshotrods.com

Want Quality? Dependability? Show Styling?
Superior Strength? Adjustability?
Then you want . . .

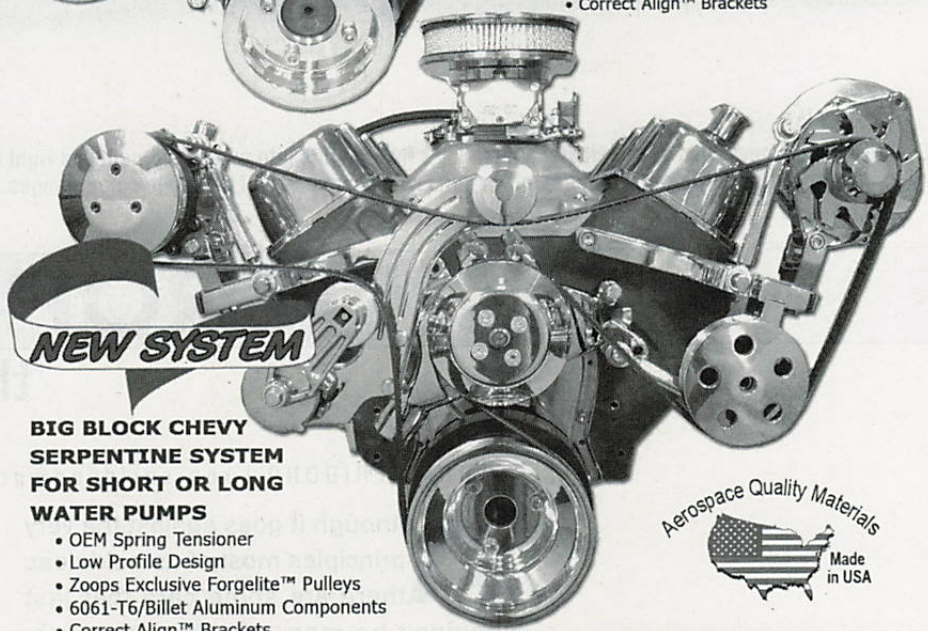
ZOOPS PRODUCTS, INC

Award Winning Products
Designed & Manufactured
by Master Craftsmen



NEW SYSTEM

FORD SMALL BLOCK
FRONT COMPACT SYSTEM
- OEM Spring Tensioner with Serpentine Belt
- Front Compact Mount
- Zoops Exclusive Forgelite™ Pulleys
- 6061-T6/Billet Aluminum Components
- Correct Align™ Brackets



NEW SYSTEM

BIG BLOCK CHEVY
SERPENTINE SYSTEM
FOR SHORT OR LONG
WATER PUMPS
- OEM Spring Tensioner
- Low Profile Design
- Zoops Exclusive Forgelite™ Pulleys
- 6061-T6/Billet Aluminum Components
- Correct Align™ Brackets

Aerospace Quality Materials
Made in USA

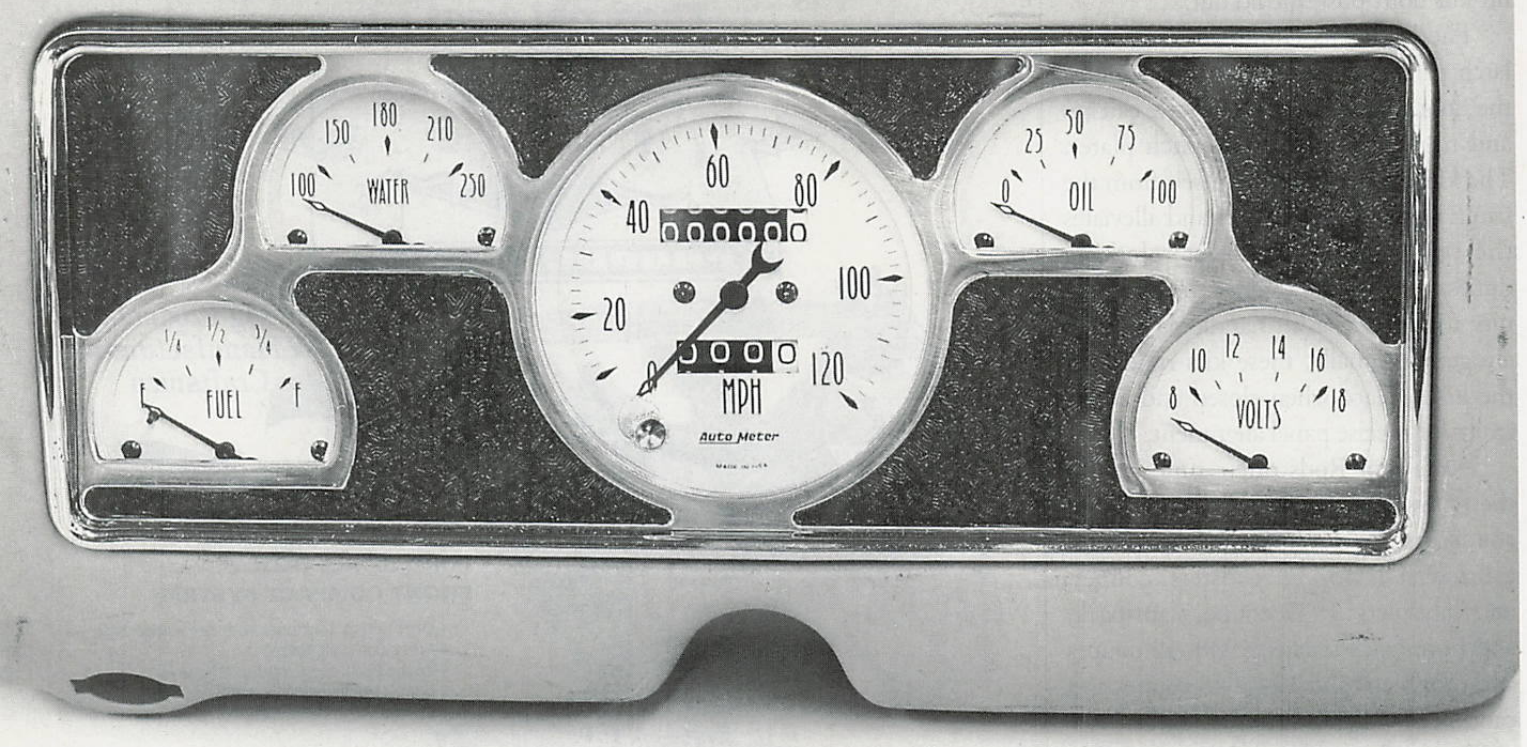
FORGELITE™ ALUMINUM PULLEYS
- Ultimate in Strength - 400% Stronger than cast, 50% Stronger than Billet
- Maximum Durability Heat Treated for Wear Resistance
- Highly Polished

Hi-Volume Billet Reservoir
OVERFLOW TANKS
- CNC Machined & Hand Polished
- 6061-T6 Billet Aluminum
- O-Ring Sealed
- Easy Mounting

FEMA

ZPSAD #9604

ZOOPS TECHLINE 951-922-2396
WWW.ZOOPS.COM



DC Street Rods' new Deco gauge cluster puts today's instruments into an environment just right for a '40 Ford. In addition to the kits, they offer complete bolt-in units with your choice of faceplate color, gauges, and indicator lights.

tech

TROPHY DASH

this one's a winner

BY RON CERIDONO | ron.ceridono@primedia.com

Although it goes against the very principles most of us hold dear, there are some cars that just shouldn't be messed with very much. Take '40 Fords as an example; as a general rule, there aren't too many changes that can be made to make them any better looking than they are. But then there are exceptions to every rule, especially in street rodding.

One of the more common changes made to a '40 is updating the instruments. From a functional standpoint modern gauges are a hit, but from an aesthetic standpoint, they're often a miss. But recently we found a combination of old and new that's right on target. Dennis Cardellini of DC Street Rods is now producing the Deco Gauge Cluster kit that combines the best of both worlds: contemporary instrumentation with a look that complements the '40s dash.

The DC kits consist of a faceplate (which gives the instruments an art deco look) a backplate that positions the gauges in the housing, glass for the housing, templates for the necessary modifications, and all the hardware required. What you'll need to supply is a '40 Ford gauge housing (Standard or Deluxe) or a '41-'47 pickup gauge housing, '40 Standard or '41-'47 pickup gauge cluster bezel, and a standard five-gauge set of VDO or Auto Meter instruments.

Installing the kit isn't particularly difficult, the worst part about it is taking the bezels and lenses off a brand-new set of gauges, but the results are worth it. See for yourself. SR

(continued on pg. 88)

PARR Automotive

55 Years PARR AUTOMOTIVE 1949 2004

Tech Line: 1-405-942-8677
Fax Number: 1-405-948-7079
Monday thru Friday 8:00 to 5:30
Saturday 8:00 to 1:00 Central Time
4933 N.W. 10th St. Oklahoma City, Ok. 73127
E-mail: parr@parrautomotive.com
Web: www.parrautomotive.com
Order Line: 1-800-654-6779

VDO INSTRUMENTS

Includes programmable speedo, fuel, oil, water, and volt gauge. Tachometer and other individual gauges including are available.

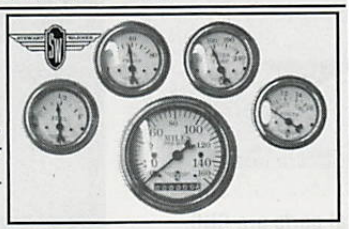
5 Gauge Kits ..... **From $279.95**

Contour **Cockpit** **Cockpit White** **Series 1**
Vision **Cockpit Royale** **Heritage Gold**

ALL STYLES IN STOCK

STEWART WARNER

WINGS SERIES



Kits include speedometer, fuel, oil, water, and volt gauges. Tachometer and other individual gauges including are available.

5 Gauge Mech. Speedo Kits ..... **From $247.00**

5 Gauge Elec. Speedo Kits ..... **From $292.50**

Chrome w/ White Facedial **Chrome w/ Black Facedial**
Gold w/ White Facedial **Chrome w/ Beige Facedial**
Chrome w/ Silver Facedail

ALL STYLES IN STOCK

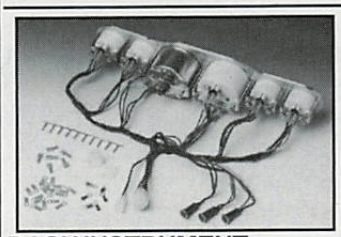
POWER SERIES

Kits include speedometer, fuel, oil, water, and volt gauges. Individual gauges including tachometer are available.

5 Gauge Kits ..... **From $279.00**

Burgundy **Titanium** **Blue / Grey**

ALL STYLES IN STOCK



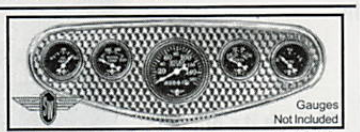
DASH INSTRUMENT HARNESS

Makes for quick, easy gauge cluster removal with modular disconnects. Includes connections for volt, oil pressure, temperature, fuel level, tachometer, speedometer (if electric) and indicator lights.

Gauges, dash and indicator lights not included.

PPP-30301 .. Mech. Speedo $ 52.50
PPP-30302 .. Elect. Speedo $ 57.50

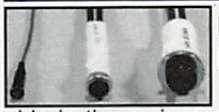
Prices are subject to change without notice. Shipping charges not included. Some parts not legal for sale or use on pullution controlled vehicles in California.



CHROME NOSTALGIA DASH

This 5 gauge dash panel comes chrome plated with a machine turn insert. Dash panel accepts a 3-3/8" speedometer.

STE-005 ..... $149.00



DASH LIGHTS

Lights available in three sizes small, medium or large and also are available in four cool colors amber, blue, green, and red.

Small Lights ..... From $4.15
Medium Lights ..... From $4.95
Large Lights ..... From $8.25

Place an order from our on-line catalog at:
www.parrautomotive.com

CLASSIC INSTRUMENTS

Includes programmable speedo, fuel, oil, water, and volt gauge. Individual gauges including tachometer are available.

5 Gauge Kits ..... Flat Lense ..... **From $376.00**

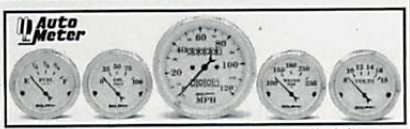
5 Gauge Kits ..... Curved Lense ... **From $391.00**

Hot Rod Series **Vintage Chrome** **Vintage Gold**
Traditional Series **Classic Series**

MANY STYLES IN STOCK

(Quad Sets Now Avaiable in 3-3/8 Diameter)
Quad gauge kit w/ Speedo (Flat Lense) $335.15
Quad gauge kit w/ Speedo (Curve Lense) $357.15

AUTOMETER



Includes mechanical speedometer, fuel, oil, water, and volt gauge. Individual gauges including tachometer are available.

5 Gauge Kits ..... **From $249.95**

Artic White Designer Black Golden Oldies Old Time White
Old Time Black Antique Beige American Platinum

ALL STYLES IN STOCK

MOONEYES

Kits include speedometer, fuel, oil, and volt gauge. Individual gauges including tachometer are available. Kits available in black or white face.

5 Gauge Mech. Speedo Kit **$245.00**

5 Gauge Elect. Speedo Kit **$369.00**

ALL STYLES IN STOCK

NOSTALGIA CHROME TACHOMETER

This 0-8000 RPM tach is perfect for the nostalgia buff. Tach has a chrome plated face, cup, and mounting bracket. Necassary mounting hardware and instructions included.

MOO-MPG5000TM ..... $ 69.95

LIQUID FILLED FUEL PSI GAUGE

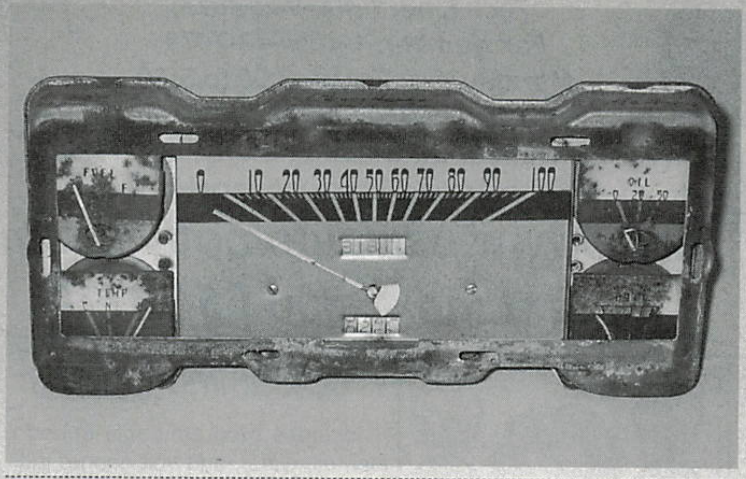
Direct mount pressure gauge measures 1-3/4" across face. Gauge has a chrome body with 1/8" NPT threads for installation.

MOO-MPG110LF ..... 0-15 psi ..... $ 35.00
MOO-MPG120LF ..... 0-100 psi ..... $ 35.00

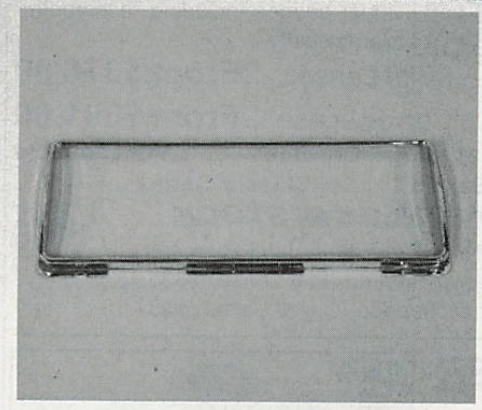
DIRECT MOUNT TEMPERATURE GAUGES

Gauges have 3/8 NPT thread, bulb extends down 1" below bottom of threads. Gauges read from 100 to 280 degrees.

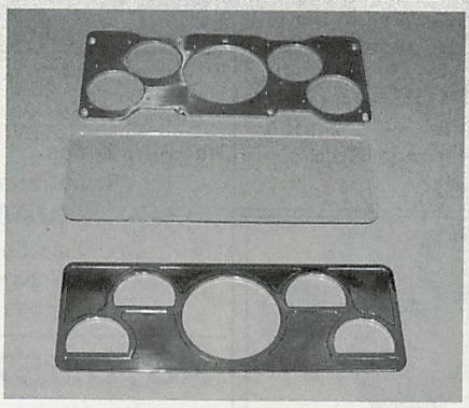
MOO-MPG109S ..... Small (1-1/2") ..... $ 35.00
MOO-MPG109 ..... Large (2-1/4") ..... $ 37.00
MOO-MPG109SLF ..... Small Liquid Filled (1-1/2") ..... $ 48.00
MOO-MPG109LF ..... Large Liquid Filled (2-1/4") ..... $ 49.00



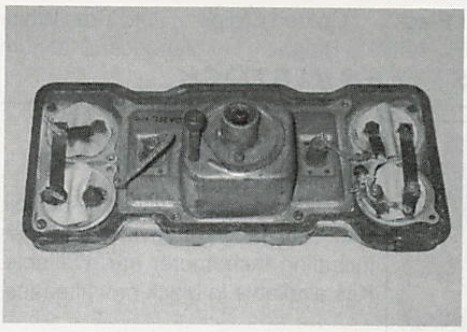
We started out with a well-worn '40 Ford Deluxe instrument cluster from a swap meet. While it will work, a better choice is a Standard cluster, or one from a '41-'47 Ford pickup. The next photo will show why.



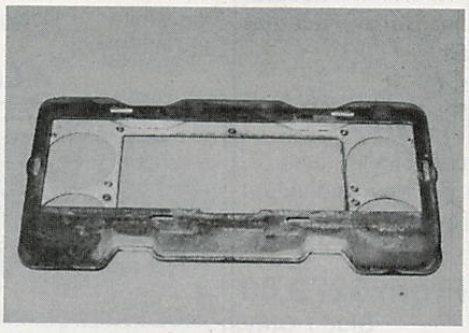
One of the pieces necessary for this conversion is a bezel from a Standard or pickup instrument cluster. So you might as well start out with one of those if possible.



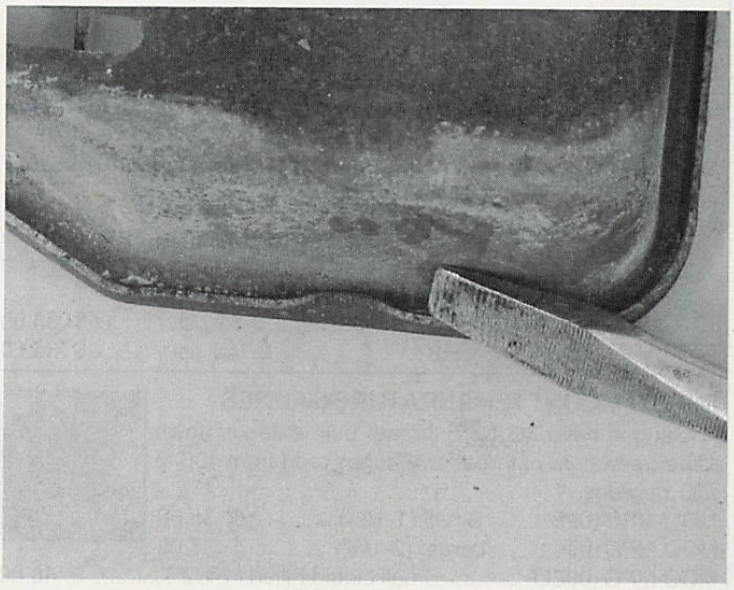
The DC Street Rods metal parts are CNC-machined and as a result are extremely accurate. New glass is included along with all the necessary fasteners (not shown).



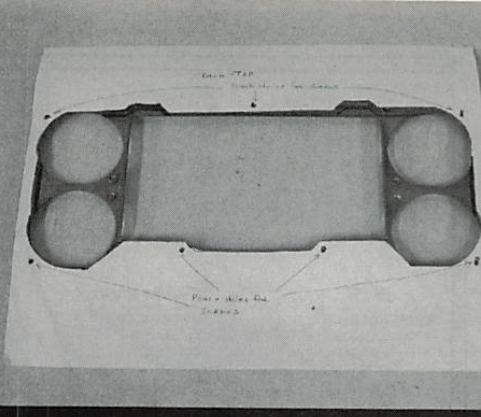
This is a backside view of the original '40 cluster. The stock gauges are removed, and, as ours were beyond saving, they were dumpster-bound.



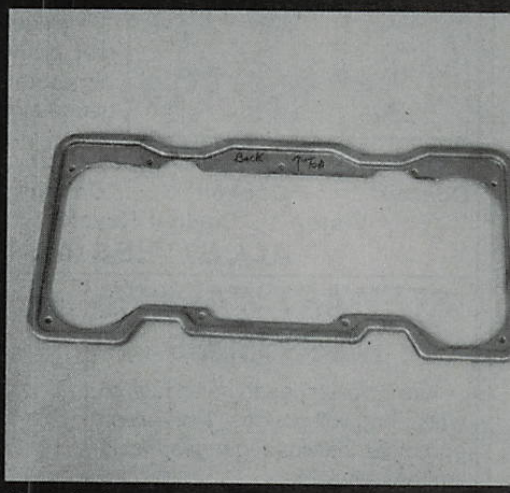
All that's reused from the original instruments is the "box" they came in.



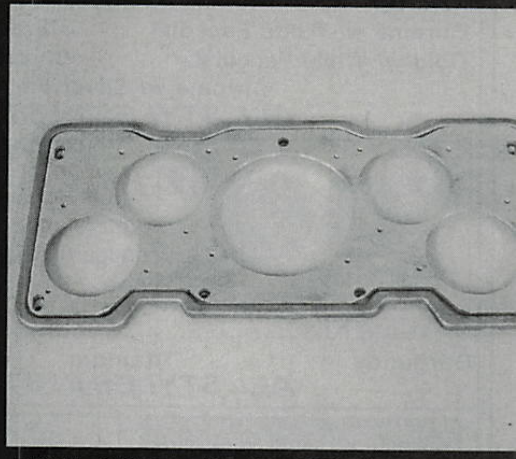
Although it's not necessary, for photo purposes we opened the crimps and separated the two halves of the instrument housing.



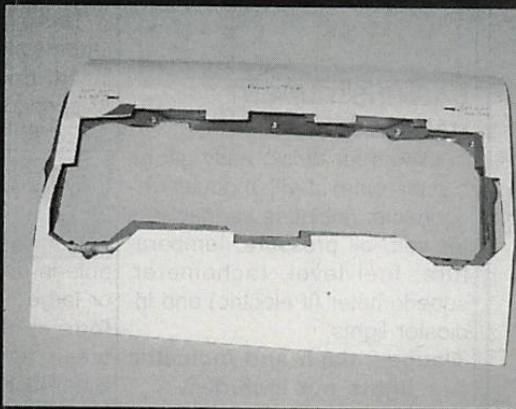
After a trip through the bead blaster, the supplied template was attached to the back portion of the housing.



A cutoff wheel was used to make the necessary modifications. Here's the result.

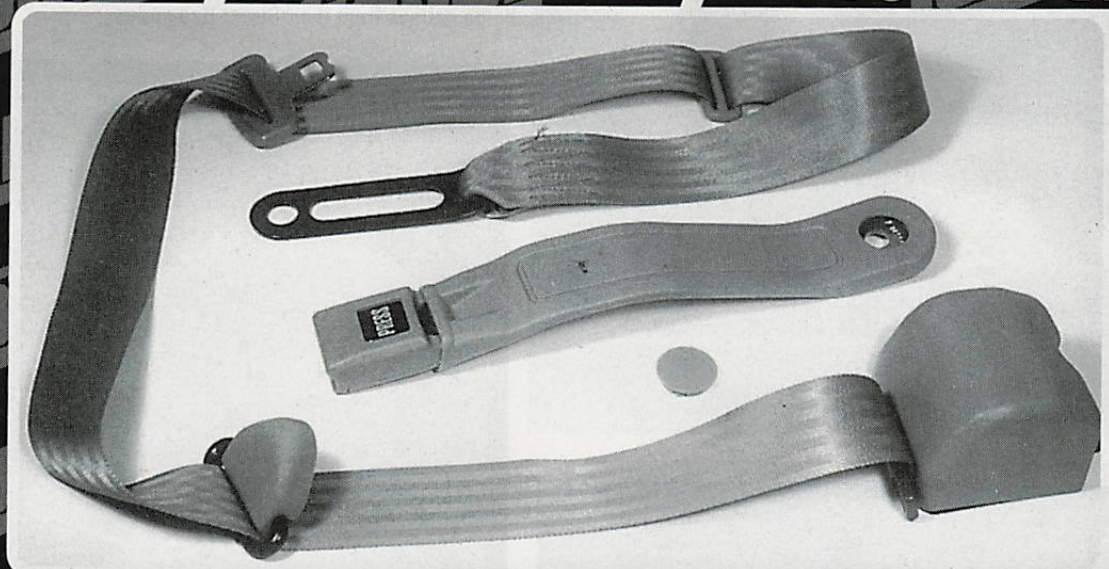


A trial installation of the new DC backplate confirmed that it fit without interference.



Next the front of the housing was trimmed to allow installation of the new faceplate.

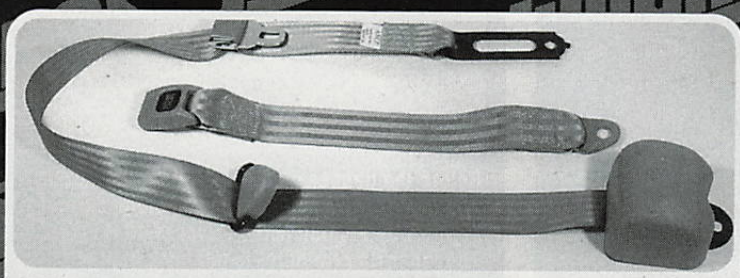
Style • Safety • Convenience



Retractable 3-Point Shoulder Harness

Same OEM quality and design and operation as in your new car. Rigid receptacle arm works best with bucket seats. Available in black, blue, grey, maroon, taupe, charcoal, tan and red. Installation kit included.

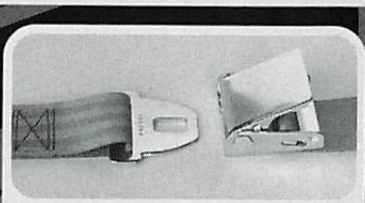
$89.95 per person



Retractable 3-Point Soft Arm Shoulder Harness

Same as above, but for bench seats. Eight colors. OEM styling and quality. Includes installation kit.

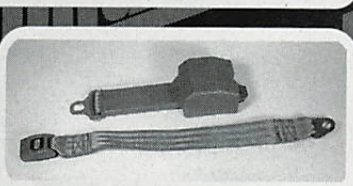
$89.95 per person



Chrome Buckle Seat Belts

20 colors. OEM styling and quality.

$29.95 per person



Soft Arm Retractable Seat Belts

Six colors. OEM styling and quality. Works best with bench seat.

$34.95 per person

Lap Belts

OEM styling and quality. Available in eight colors: black, blue, tan, maroon, grey, taupe, charcoal and red. **$19.95 per person**

NEW Mini Retractable

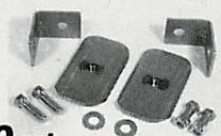
Retractable Seat Belts

OEM styling and quality. Available in Six colors. Works best with bucket seats. **$34.95 per person**

Retractable Seat Belt Anchor Plates

With special brackets

$25.00 pair



Seat Belt Bolt Cover

A small detail that makes your installation look factory original. Color keyed to our belt colors.

$15.00 pair

Clip On Lap Belt Retractors

Rolls up belts when not in use. **$20.00 pair**

JULIANO DESIGN

Seat Belt Anchor Plates

Only safe way to mount seat belts (or seats) to floor. Regular bolts with washers can pull through. **$15 pr**

MasterCard VISA DISCOVER

WE SHIP UPS, FEDEX, PARCEL POST

PRICES DO NOT INCLUDE SHIPPING OR SALES TAX

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

visit our big new web site!

www.julianos.com

see our entire catalog, how to articles and more online

CATALOG $5.00

Julianos

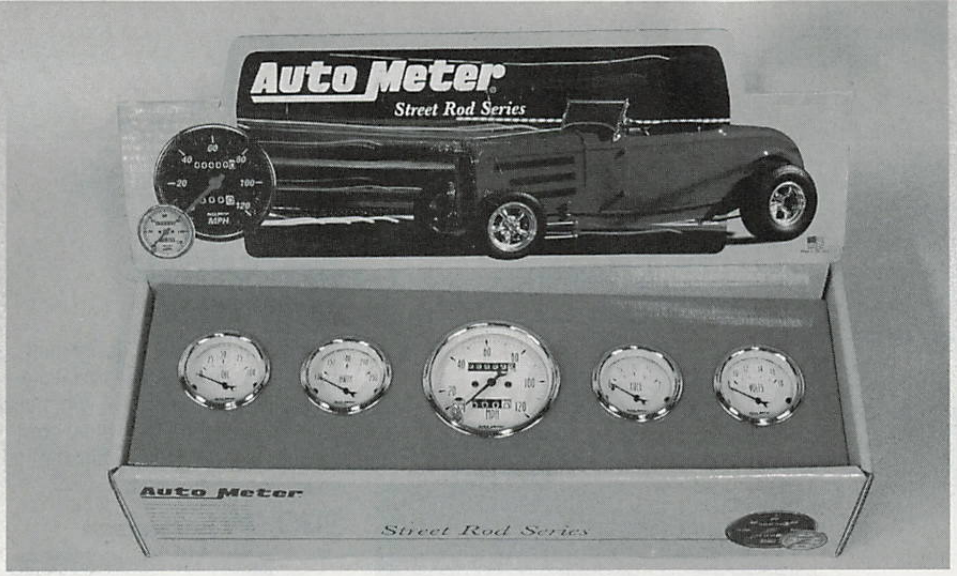
INTERIOR PRODUCTS

Orders 800-300-1932

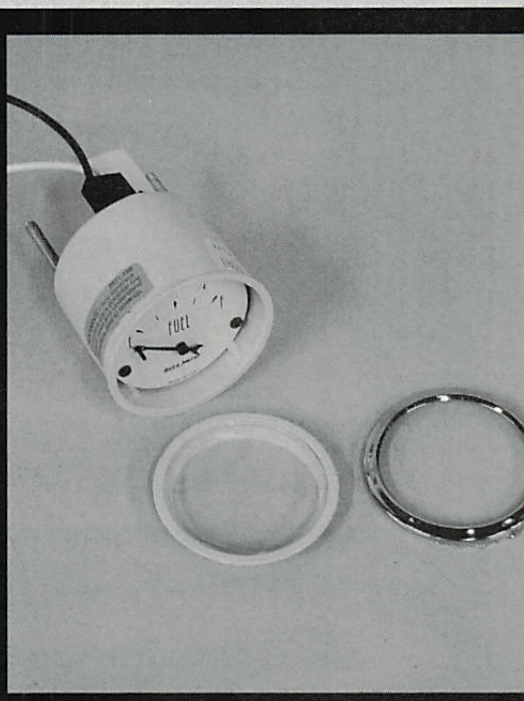
Tech:860-872-1932 • FAX 860-872-4114

321 TALCOTTVILLE ROAD.

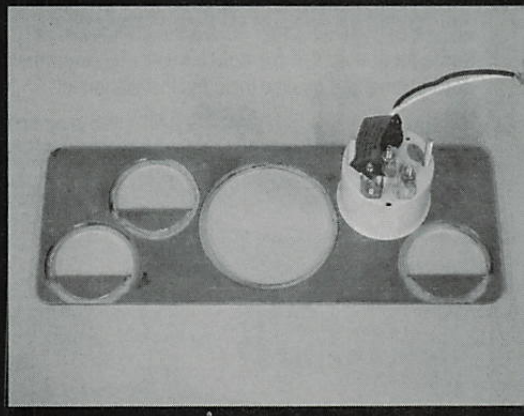
VERNON, CT 06066



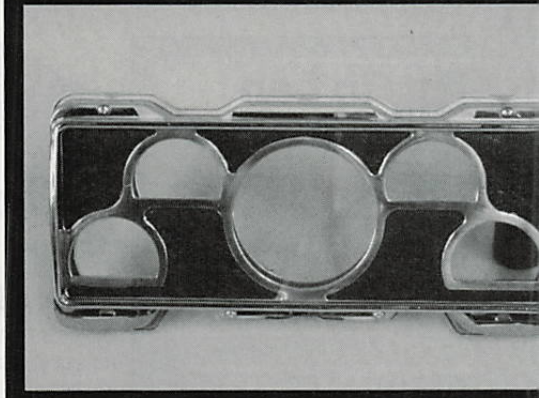
For our application we chose Auto Meter antique beige gauges from their Street Rod series.



Before the gauges can be installed, the bezels and lenses have to be removed. Some careful prying with a small screwdriver is all it takes. The inner ring (middle) is put back in place.



With the lenses removed, the gauge housings are test-fit into machined grooves in the back of the faceplate.

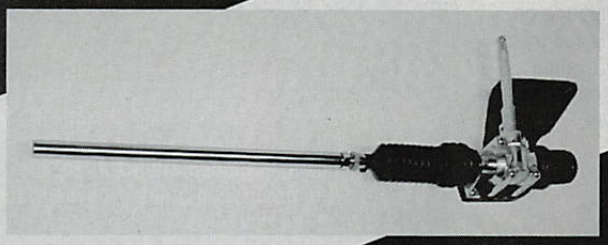


After painting the reliefs in the faceplate (we used black crackle paint for an old-time look), a trial-fit of the bezel was made.

fabulous forties
Hear the music, feel the mohair and see the endless curves... Something missing? A Lecarra Steering Wheel is the crowning glory to your nostalgic driving experience. So Step back in time and re-live a bygone era.
LECARRA
Putting a legend in your hands.
This completely new 15" steering wheel includes horn button and specially contoured hub adapter for standard 1967-94 GM/Van tilt, Flaming River tilt, ididit tilt and Mullins roadster columns. Available in Black enamel or ready to paint. Ready to paint hub shown left. Ford Script horn button shown above. Smooth, V8 and Bowtie horn buttons available.
For an authorized Lecarra dealer call 800-432-8170. Visit www.lecarra.com.
©2004 Lecarra, Inc. Oneida, Tennessee

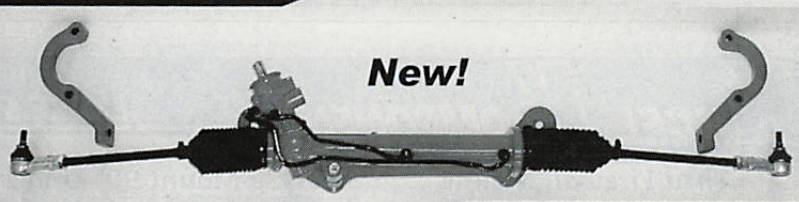
UNISTEER *Performance Products*

for all your steering needs



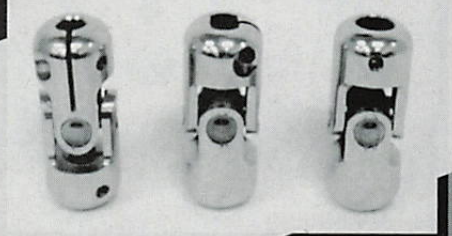
Cross Steer Rack & Pinion, for solid axled '28-'34 Fords, is an innovative way to steer street rods. Winner of 2003 SEMA Best New Product Award
Starts at $357.00

New!

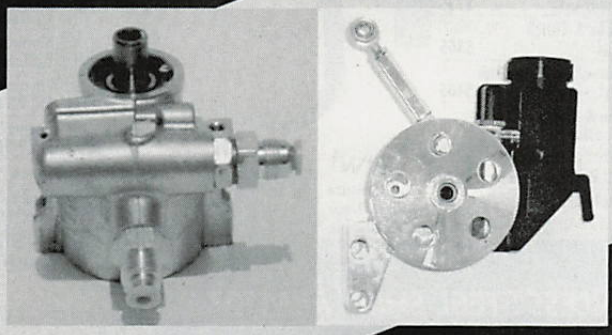


'67-'69 Camaro Rack & Pinion Kit, first Bolt-On Power Rack & Pinion kit that matches the front suspension, NO Bump Steer! Runner Up, 2004 SEMA Best New Product Award
Starts at $799.00

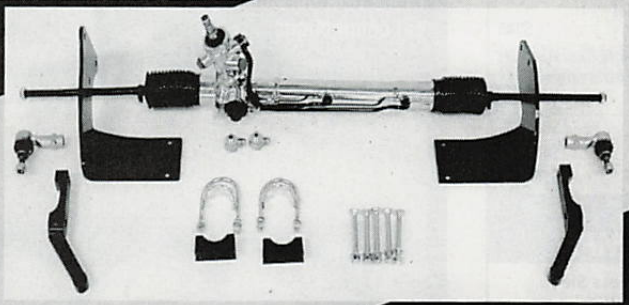
New!



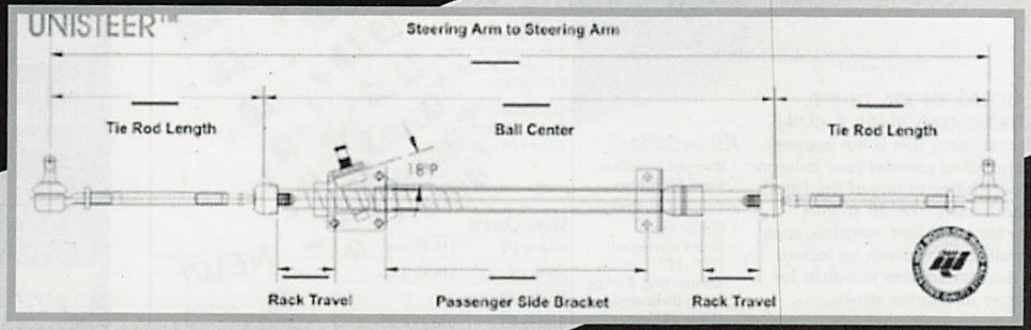
Complete line of **Universal Joints**
All Stainless Steel, Pinch Bolt Style
Start at only $64,95



New **TC Pumps** and components. Tested and set to run at correct pressure and flow for rack & pinions, available polished or unpolished.
Unpolished Pump $120



Tri-5 Rack & Pinion Kit. A *Bolt-On* Power Rack & Pinion kit for '55-'57 Chevy Cars that matches the stock geometry, No Bump Steer!
Starts at $799, Chrome Upgrade shown $899

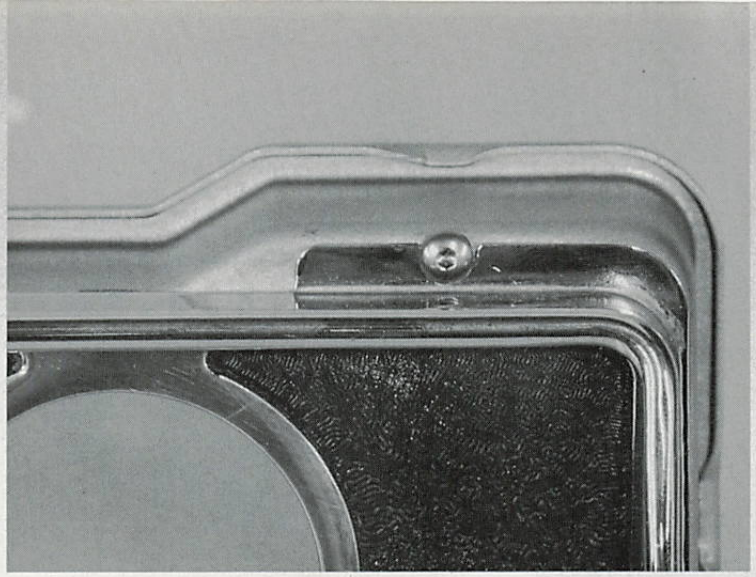


Have a unique application? Unisteer will build you a custom Rack & Pinion, power or manual, to your specifications, starting at $399

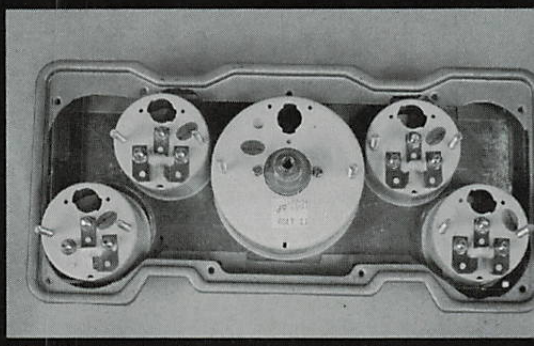
ISO 9002/QS-9000 OMI REGISTERED QUALITY SYSTEM

800 338 9080
www.unisteer.com

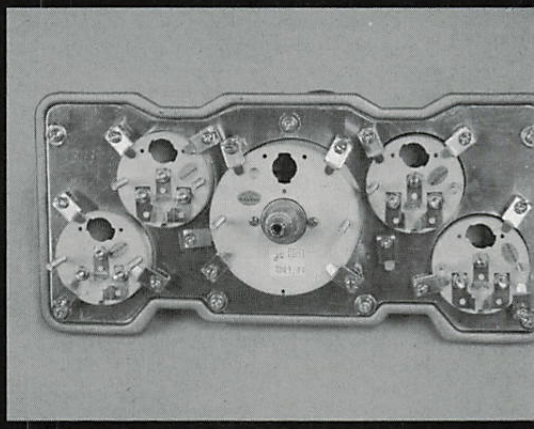
UNISTEER *Performance Products*
Is a division of
MAVAL Manufacturing Inc.



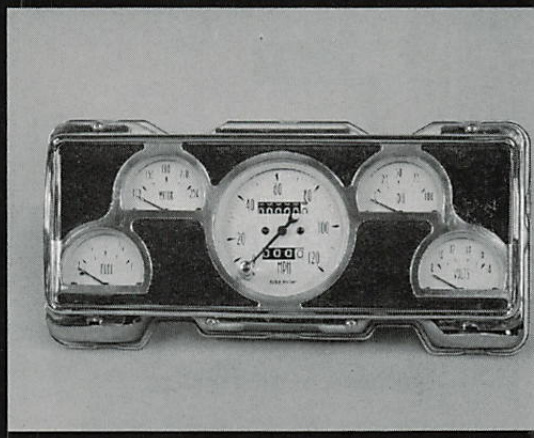
If a Standard or pickup cluster is being used, four tabs locate and secure the bezel. If a Deluxe cluster is used, the bezel will have to be positioned by a trial-fit, then secured with small screws.



With the bezel and faceplate installed, the gauges were positioned in the grooves in the backside of the faceplate.



With the gauges located, the backplate was carefully screwed in place and the gauge-retaining hardware installed. Make sure none of the retainers make contact with the electrical connections.



The finished product: new gauges with a definite deco look. Like we said, the best of both worlds.

KUGEL KOMPONENTS

UNIVERSAL BRAKE SYSTEM

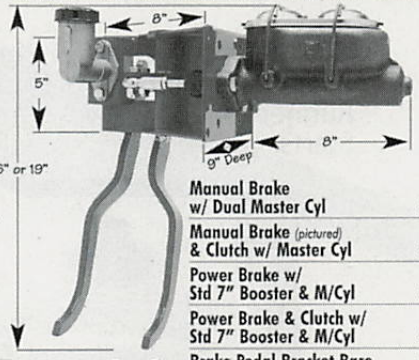
Thru Firewall Mount

Manual Brake w/Dual Master Cyl	$235
Manual Brake & Clutch w/Master Cyl	$365
Power Brake w/Std 7" Booster & Master Cyl *(pictured)*	$405
Power Brake & Clutch w/Std 7" Booster & Master Cyl	$535
Brake Pedal Bracket Bare	$170
Brake & Clutch Pedal Bracket Bare	$225

16" or 19"

14" or 17"

Reverse Mount 90° Under Dash



Manual Brake w/ Dual Master Cyl	$275
Manual Brake *(pictured)* & Clutch w/ Master Cyl	$425
Power Brake w/ Std 7" Booster & M/Cyl	$445
Power Brake & Clutch w/ Std 7" Booster & M/Cyl	$595
Brake Pedal Bracket Bare	$210
Brake & Clutch Pedal Bracket Bare	$285

- Clean Floor
- No Exhaust Worries
- Out of Sight

Bigger Boosters available for heavier cars
Installation brackets available $40

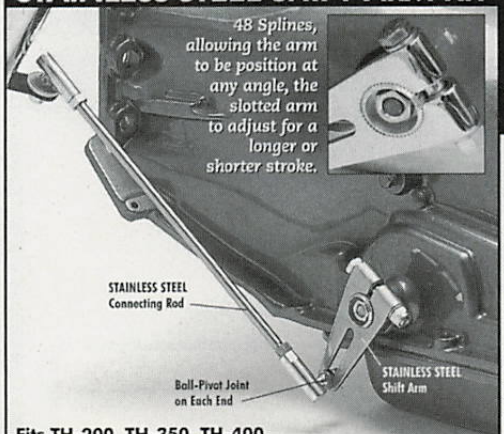
NEW! Remote Fillers Now Available

In Single, Double, and Triple Styles

OPTIONS

8" Booster	add $10
Double Diaphram 8" dia x 4 1/4 L	add $30
Installation Brackets - 90° only	$40
Brake Light Switch Installed	$20

STAINLESS STEEL SHIFT ARM KIT


48 Splines, allowing the arm to be position at any angle, the slotted arm to adjust for a longer or shorter stroke.
STAINLESS STEEL Connecting Rod
Ball-Pivot Joint on Each End
STAINLESS STEEL Shift Arm

Fits TH-200, TH-350, TH-400, TH-700R4, 4L60, 4L60E, & 4L80E, transmissions. This is the proper linkage kit to connect your column or floor shifter to any of the listed transmissions. The 48 splines allow for a full 360° rotation, also the ball-pivot rod can be locked into the slotted arm to adjust for a longer or shorter stroke.

Kit Includes:

- Rugged Stainless Steel Shift arm
- Column bushing
- Either the Short threaded (10"-17") Connecting Rod or Long threaded (17"- 23") Connecting Rod
- 2 Ball-Pivot Joints
- All necessary hardware

(please specify long or short length when ordering)

Shift Arm Kit Complete	*Shift Arm Only*
$44.95*	$33.95*

For Polishing add $10.00

*Plus cost of shipping and handling. CA residents add sales tax.

STAINLESS STEEL HOLD DOWN CLAMPS

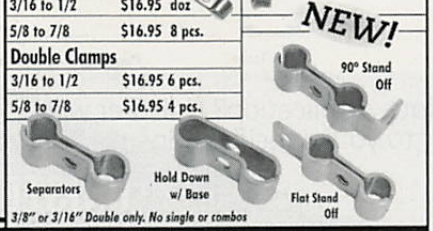
Made of Heavy Gauge Stainless Steel. Each package includes stainless steel 10/32 button head allen screws and stainless steel Phillip head sheet metal screws, added at no extra cost.

Available in Single and Double in these sizes: 7/8", 3/4", 5/8", 1/2", 3/8", 5/16", 1/4", & 3/16".

Also in Combo Doubles 5/16 x 3/8 & 3/16 x 3/8

Single Clamps	
3/16 to 1/2	$16.95 doz
5/8 to 7/8	$16.95 8 pcs.
Double Clamps	
3/16 to 1/2	$16.95 6 pcs.
5/8 to 7/8	$16.95 4 pcs.

NEW!



3/8" or 3/16" Double only. No single or combos

*All Prices Subject To Change

TO ORDER CALL (562) 691-7006
451 Park Industrial Drive, La Habra, CA 90631
WWW.KUGELKOMPONENTS.COM

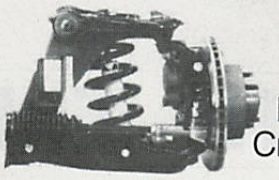
AUTO METER
413 W. Elm St., Dept. SRM
Sycamore, IL 60178
(815) 899-0800

DC STREET RODS
3605 Valley View Ct., Dept. SRM
Livermore, CA, 94551
(925) 200-3840

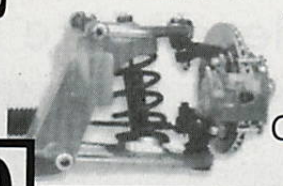
RODPARTS Warehouse

1-800-373-5773 MasterCard VISA DISCOVER 1-563-332-8769

COMPLETE MUSTANG II HUB TO HUB FRONT SUSPENSION



With Stock A Arms, Big 11" Brakes
FREE POWER RACK
Crossmember Included
ONLY $1199



With Tubular A Arms, Big 11" Brakes
FREE POWER RACK
Crossmember Included
ONLY $1299

Deluxe Power Brake Setups **$239**
For Dual Diaphram Add $35 FORD & CHEVY
With 4 Port Master Cylinder Firewall Mount Power Brake Kit **$229**
8" Booster Add $35

REAR 4 LINK KITS **$315**
REAR 4 LINK KITS WITH AIR RIDE **$540**
REAR LEAF SPRING KITS **$425**

Dropped Spindles Add $20
Sway Bar Add $140
AIR RIDE Add $200

TILT STEERING COLUMN **$269**
TILT/COLUMN SHIFT COLUMN **$420**

MADE IN U.S.A. *5/8" Narrowed Available*
Tubular A Arms With Ball Joints
$295 set of 4
UPPERS **$128** Pr.
LOWERS **$167** Pr.

35-48 Ford / 37-48 Chevy
Mustang Cross Members
SUPER NICE Only **$275**
Other Years & Makes **$340**

Pinto/Mustang Manual Or POWER RACKS $135 Ea.
Tie Rod Ends **$15.00 Ea.**
Rack Bushings **$7.50 Ea.**

Coated Block Hugger Headers
3/8" Thick Flange 1-5/8" Tubes
(Not for angle plug)
Fits SB Chevy
$149 pr.

1 or 3 Wire 100 Amp Alternator
Chrome $85

16" Reversible Fan
3300 CFM **$99**

Mustang II 5 Lug Rotors
Ford pattern **$59 pr.**
Chevy pattern **$59 pr.**
4 Bearings & 2 Seals **$15**

7 Function Remote w/ 40 lb. Solenoids **SPECIAL! $100**
Above With Door Poppers **$120**

2 HP GM Gear Reduction Starter
Straight or Staggered Pattern
$95

"TANKS" Inc.

FORD STEEL GAS TANKS

32 Ford 11 Gal.	$350
32 Ford 16 Gal.	$365
33-34 Ford	$215
35-40 Car	$215
41-48 Car	$215
49-51 Merc	$250
33-37 Ford Truck	$215
53-56 F100 Truck	$215

FREE UPS!

CHEVY STEEL GAS TANKS

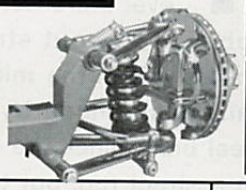
35-39 Chevy Car	$215
40 Chevy	$265
41-48 Chevy Car	$195
49-54 Chevy Car	$195
Universal Tank	$215
Universal Truck Tank	$215

FREE UPS!

FORGED STEEL Mustang II Drop Spindles **$169 pr.**

Big Brake Kits
Front **$229**
Rear Disc Kit **$350**

TCI IFS or HEIDTS Superide
$2175 FREE UPS



AMERICAN TORQUE THRUST II
Polished
14X6 and 15X7
Set Of 4 **$599**
UPS $5/WHEEL

HEAT COOL & DEFROST

Hypercool 1
Depth 7"
Height 8-1/2"
Length 18-1/2"
Everything For Inside The Car! **$279**

Hypercool 2
Depth 7-1/2"
Height 8-1/2"
Length 21"
Everything For Inside The Car! **$325**

COMPLETE SYSTEM!!!
$599
Billet Oval Control Add $50
Polished Compressor Add $40
$650

INCLUDES: Hose Kit, Condenser, Compressor & SB Chevy Bracket, Dryer, Evaporator, Vents, Billet Rectangular Control Panel

Walker RADIATOR WORKS INC.

$100 OFF
ON 4 ROW HEAVY DUTY RADIATORS

Hidden Door Hinge Kits With Bronze Bushings *Opens a full 90 degrees* **$169**

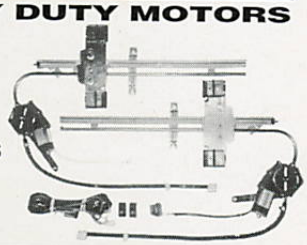
We have discount prices from over 100 manufacturers... use anybody else's catalog or ad as ours. Call us and we will SAVE YOU MONEY!

Griffin RADIATOR
BIG DISCOUNTS!

POWER TRUNK LIFTS Use 2 kits for big trunk lids
Polished Arm
$150

TCI All American Coilovers
Painted **$250**
Chrome Shocks **$280**
All Chrome **$350**

HEAVY DUTY MOTORS
Power Window Kit
with switches for 2 doors
$135



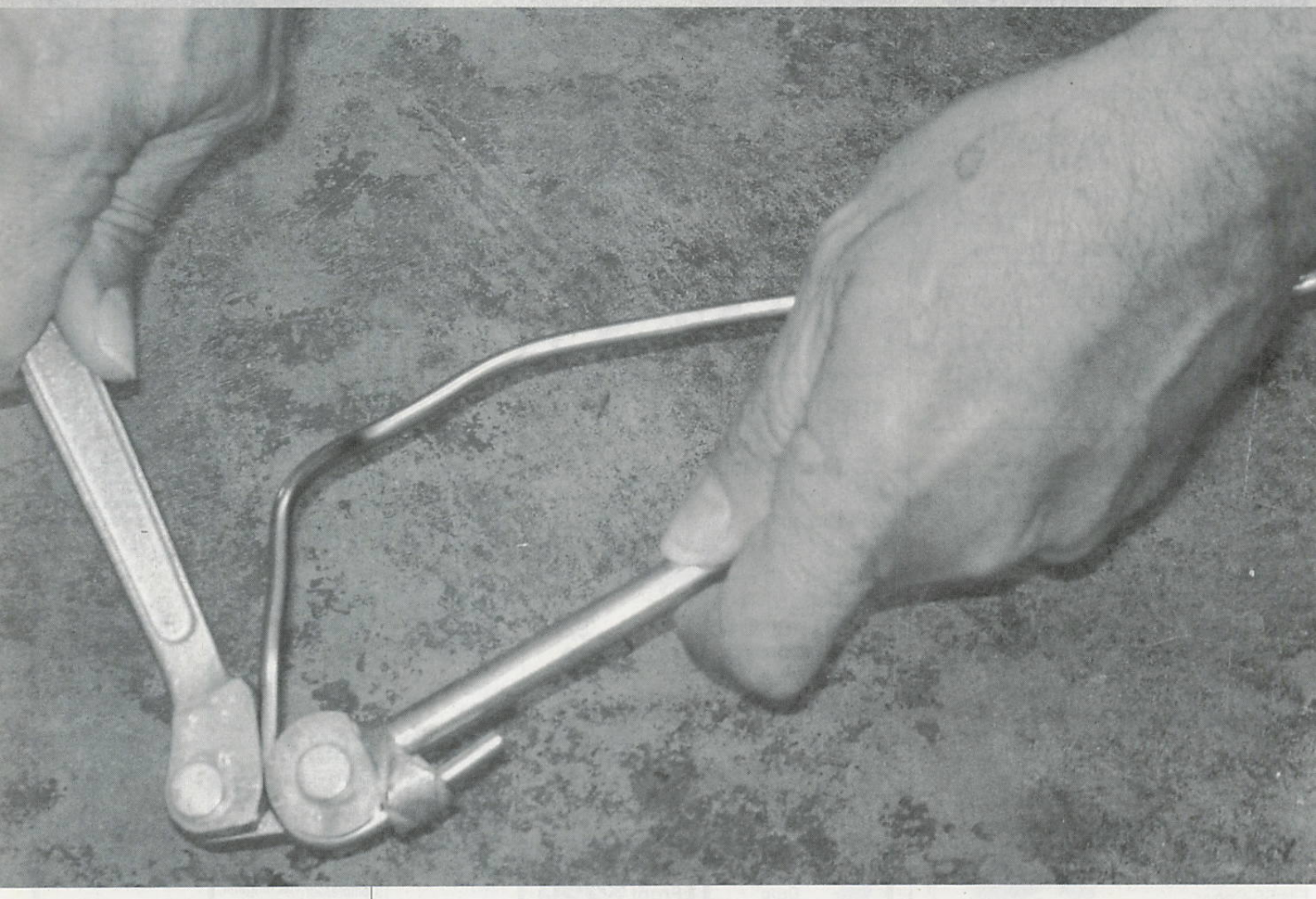
20 Fuse Color Wire Kits
Printed Wires **SPECIAL! $128**

BY CARROLL HAMILTON

tech

AROUND THE BEND

forming stainless brake lines made easy

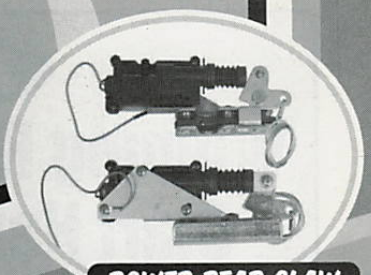


There's the old adage, "You shouldn't drive faster than you can stop." If ever there were a truism about our hobby, it's about street rods and their brakes—given the mistakes we see on a daily basis made by rodders. Stainless steel brake lines are far from a necessity on a street rod, but they do enhance the safety factor.

But we all know how common steel brake lines corrode and we also know the finished, detailed, appearance stainless steel brake lines offer. With that in mind, we have always bit the bullet on the additional cost and formed and flared our own stainless brake lines. When we were ready to form the stainless steel brake lines for our current project, we needed stainless fittings for the already purchased 3/16-inch tubing. We placed a call to Classic Tube and, not long into the conversation with them, we discovered a great way to obtain custom-made brake lines without all of the manual labor required to bend, fit, and double-flare our own brake lines.

Tom McGavin of Classic Tube explained that we could form templates of our desired brake lines and mail them to Classic Tube. They in turn would utilize their CNC programmable tubing benders and their hydraulic flaring equipment to form the tubes and install the required fittings on the ends per our templates. This sounded too good to be true,

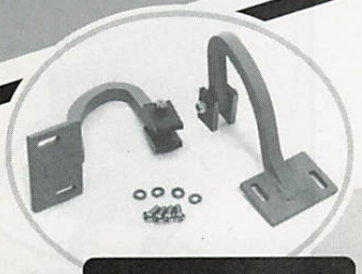
ROCKY HINGE INC.



POWER BEAR CLAW LATCH KIT $95

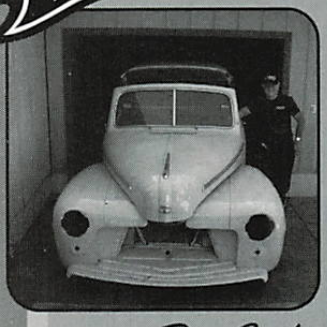
BEAR CLAW DRESS UP KIT $35

MANUAL SAFETY LOCKS KIT
w/Aluminum Knobs $55



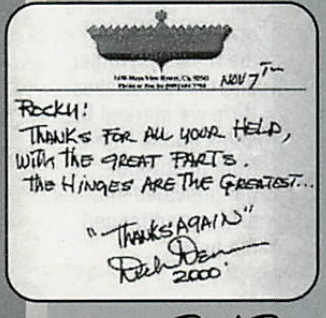
TRUNK HINGES $75/pr.

PREFFERED BY:

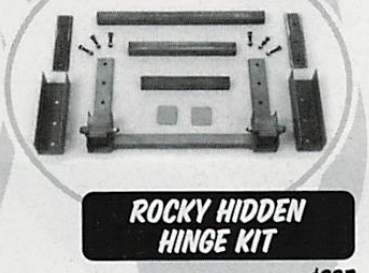


–Don Garlits

–Dave Tucci



–Dick Dean

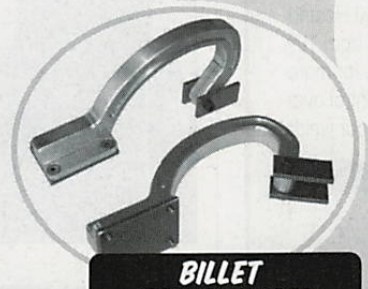


ROCKY HIDDEN HINGE KIT $225
w/Latches and Install Kit $300

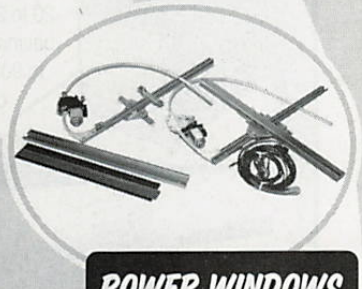
POWER COWL VENT $80

TRUNK LATCH BOTTOM MOUNT $20

SHAVED DOOR HANDLE KIT $105



BILLET TRUNK HINGES
Glass Body 32-33-34 Ford $110



POWER WINDOWS $255

BEAR CLAW LATCH KIT
Large or Small $40/kit
Large or Small w/Install $80/kit

ALT AIR BRKT SMALL BLOCK CHEVY
Brushed $150
Polished $175

NEW!!

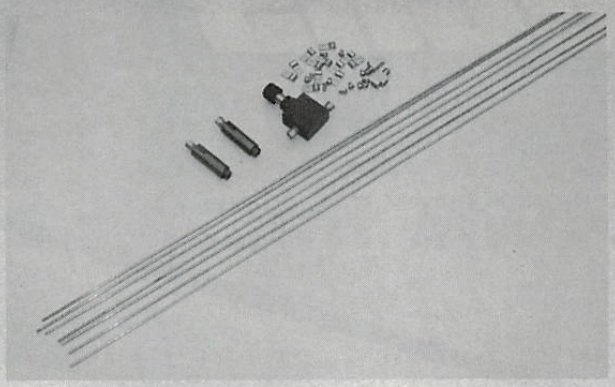
INSIDE DOOR HANDLES WITH CABLES
Brushed $155
Polished $160
Polished w/BM or Flames $165

VISA MasterCard DISCOVER AMERICAN EXPRESS

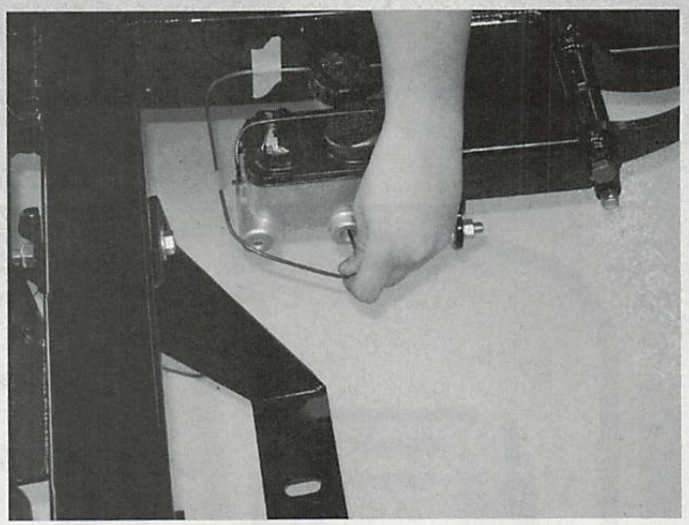
www.rockyhinge.com

ROCKY HINGE INC
1720 Wilson Ave. • Girard, OH • 44420

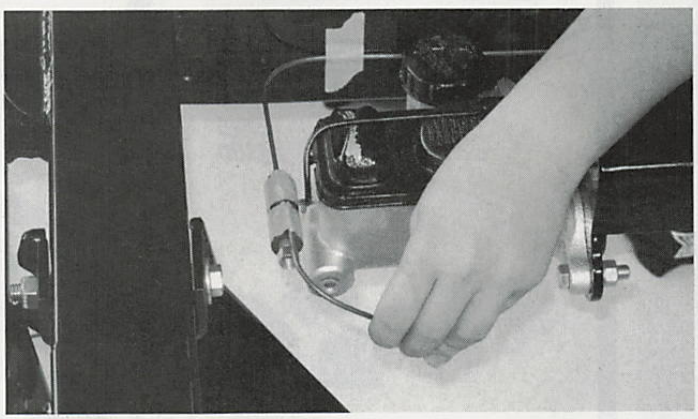
1·888·539·6295



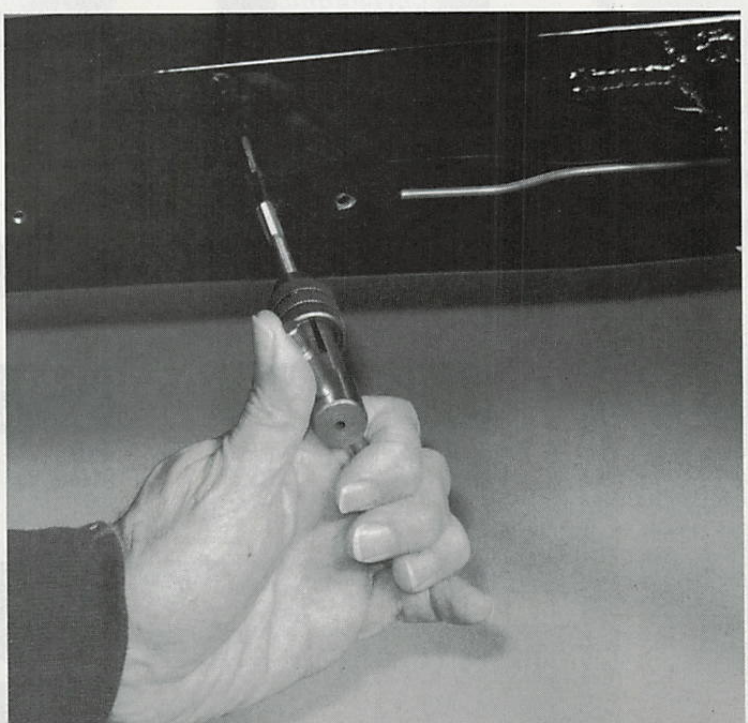
We began this project with 1/8-inch-diameter welding rod, two residual pressure valves, a proportioning valve, two trailer T fittings (these are fittings with one male and two female ports), and some stainless steel line clamps. We ordered the valves and fittings up front because they are needed to determine where the template brake lines are going to begin and terminate.



We bent a piece of the 1/8-inch welding rod to form a brake-line template directed toward the front of the vehicle (background). We then formed a U-shaped brake-line template exiting the master cylinder (foreground). The residual pressure valve will be located between these two lines.



We then taped the residual pressure valve in place below the brake-line templates. This allowed us to mark the template brake lines so they could be cut to match where the final brake lines will match up with the residual pressure valve. We followed the same steps for the rear brakes residual pressure valve and brake-line templates.



The proportioning valve is designed to operate between the master cylinder and the rear brakes. Here we marked the holes on the frame from the proportioning valve and drilled and tapped the holes.

HTP

Winning Rods Start Here

Buildin' that rod right takes the right welding equipment. And that's what you can count on from HTP.

MIG 140

All the features of larger machines, such as spot and stitch welding, yet it plugs into any 110V outlet. It's totally affordable . . . and there are six other models to choose from.

Invertig 201

Weighs just 65 lbs, has 200 amps of power, only draws 30 amps out of the wall. Adjustable AC frequency from 20 to 200 Hz and balance from 10% to 90% for more control over your welds!

MicroCut 300

This hi-tech inverter cutter puts loads of power in a "go anywhere" case. Slices through sheet metal, aluminum and steel plate up to 5/16" with ease. Five other models to choose from.

Call for our new catalog. . . It's FREE.

1-800-USA-WELD

Our popular, 1-hour "How to Mig Weld" training video is just $18.50.

HTP America Inc.

3200 Nordic Road
Arlington Heights, IL 60005-4729
www.usaweld.com SR05

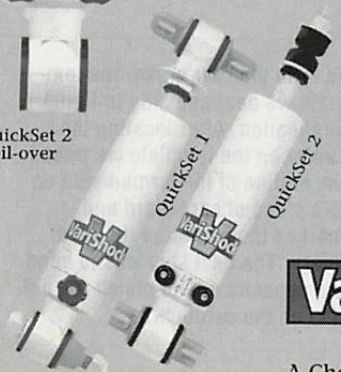
Making Your Hot Rod Dreams Come True...
For as little as $129. a month!
Call us first, call us last, but call us!
StreetBeasts
Build it your way & save thousands!
NSRA
888.888.6645 • WWW.STREETBEASTS.COM

VariShock INSTANT ADJUSTMENT!

By controlling the quality of components, assembling our shocks in-house and dyno-testing every assembly, we can deliver pairs of shocks that perform virtually identically throughout the entire range of travel. This revolutionary design allows our aluminum body to be shorter and lighter. You get more clearance around the eyes and greater travel. The newly designed one-piece lower spring seat does not require a lock nut; it's locked in place by two ball locks. These easily unlock for adjustment with an Allen wrench. Spring seat accepts 2-1/2" ID coil springs. Available in six lengths with spherical bearing ends or urethane bushing mounts. Our single-adjustable model has 16 settings which adjust both bump and rebound simultaneously. The double-adjustable model has 256 different settings attainable by rotating two fully accessible 16-position knobs. All adjustments are made without removing or unbolting the VariShock. One knob sets bump (compression) range; the other sets rebound (extension). Both knobs are laser etched with directional arrows and plus/minus symbols.

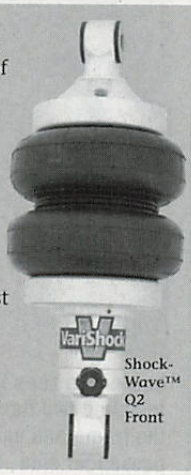
QUICKSET 1 PAIR W/SPRINGS: **$424-up**
QUICKSET 2 PAIR W/SPRINGS: **$698-up**

QuickSet 2 Coil-over



On the street or strip, VariShock offers the ultimate direct-replacement shock absorbers for cars and trucks.

QUICKSET 1: $354 PAIR
QUICKSET 2: $628 PAIR



Shock-Wave™ Q2 Front

VariShock ShockWave™ is a unique product line that combines VariShock shocks with Air Ride Technologies' air-bag springs and control sets. Our double-adjustable shock unit gives you complete ride control, as well as adjustable ground clearance. There are two styles of inlet port: original, in the spring cap, and the new style, in the upper mounting eye. RidePro™ air systems are available in two styles. The two-way system provides front and rear control. For applications without a sway bar, add our four-way pressure-control system, which prevents excess body roll.

QUICKSET 1 PAIR W/BAG SET: **$799**
QUICKSET 2 PAIR W/BAG SET: **$1069**
RIDEPRO™ 2-WAY SYSTEM: **$799**
RIDEPRO™ 4-WAY SYSTEM: **$1099**

RidePro™ Four-way system, electronic control, three-gallon air tank, 150-psi compressor, with 1/4" lines. Provides front- back control, and side-to-side control.

Shock-Wave™ Q2 Rear

VariShock
A Chassisworks Company

8661 YOUNGER CREEK DRIVE, SACRAMENTO, CA 95828
OPEN Monday-Friday 7-5:30, Saturday 8-1
Orders: (800) 722-2269 www.cachassisworks.com
Tech Line: (916) 388-0288 e-mail: sales@cachassisworks.com
Fax: (916) 388-0295
ALSO AVAILABLE AT HAL LEES ENT. (772) 463-0291

Send/charge $6 for 132-page Catalog and Installation Guide, Volume 14, or ask for FREE product-only Minicatalog!

Cooling Components
901-336-6194

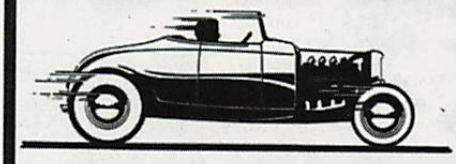
OUR FANS ARE #1

☆ Pulls 2700 CFM of Air ☆
Fan & Shroud Combo $209.93
(Does Not Include Radiator)
Fan & Shroud Shown Mounted to 1932 Ford Radiator

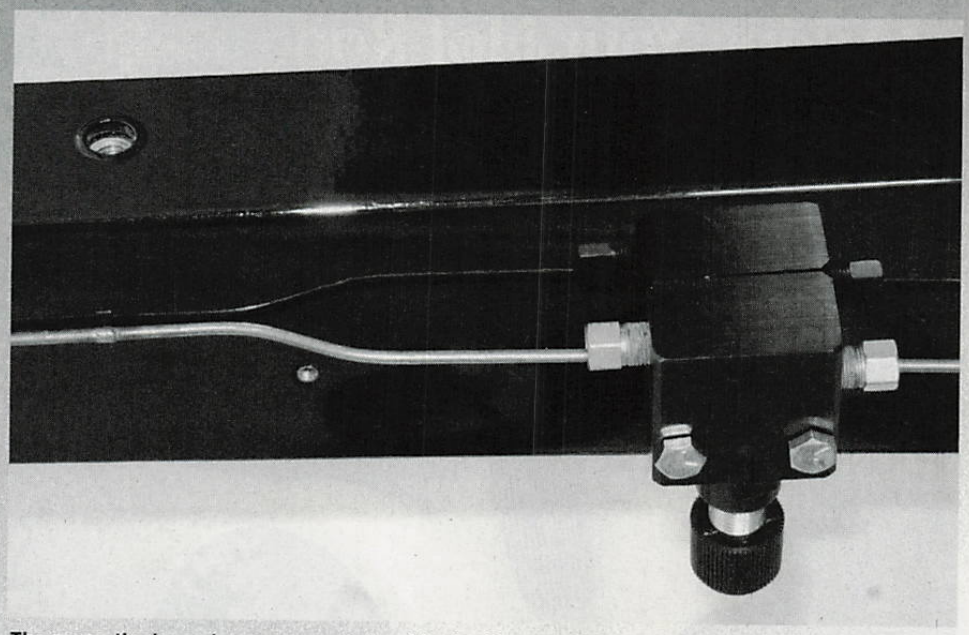
SATISFACTION GUARANTEED!

AUTHORIZED COOLING COMPONENTS INC. DISTRIBUTORS

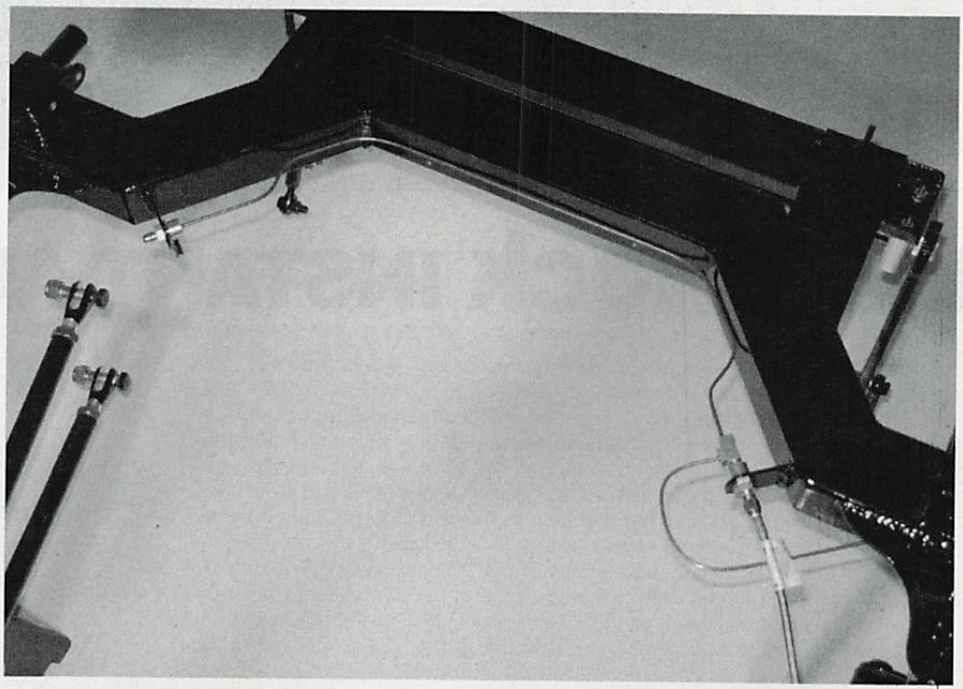
American Pastimes, Carmichael, CA, 1-800-397-9462
Pete & Jakes Hot Rod Parts, Peculiar, MO, 1-800-344-7240
Barry's Garage, Preston, CT, 1-860-889-7684
Posies, Inc., Hummelstown, PA, 717-566-3340
Campbell's Vintage Auto., Tracy City, TN, 1-800-884-2130
Rick's Rod Shop, Casper, WY, 1-307-237-7668
Charlotte Rod & Custom, Charlotte, NC, 1-704-599-0232
R.T.'s Street Rods, Coopersburg, PA, 1-610-282-1726
Danny's Rod Shop, Goshen, OH, 1-800-335-1932
S & S Rod Shop, Bettendorf, IA, 1-563-332-4251
Eddie's Rod Shop, Kingsport, TN, 1-423-323-2081
Sachse Rod Shop, Sachse, TX, 800-495-3904
Gambardella Racing, Williamstown, NJ, 1-856-728-4225
Sacramento Vintage Ford, Rancho Cordova, CA, 1-916-489-3444
Heinzman Street Rods, Phillips, NE, 1-402-886-2275
Slick's Rod Shop, Roanoke, VA, 1-540-427-3093
Hercules Steel T's, Tampa, FL, 1-813-621-2220
So-Cal Speed Shop, Spring, TX, 1-281-320-1212
Hoosier Street Rods, Largo, FL, 1-813-596-5211
Speedway Motors, Lincoln, NE, 1-402-323-3200
Horton, Inc., Niagara Falls, NY, 1-519-648-2150
Sunrise Color, Grants Pass, OR, 1-541-476-2514
Hot Rod Enterprise, Auburn, WA, 1-253-833-1912
Tim's Hot Rods, Green Acre, WA, 1-509-926- 1429
Hot Rod Express, Maiden, NC, 1-704-483-3300
Tri Five Classics, Brown Summit, NC, 1-336-656-1957
Hot Rods & Custom Stuff, Escondido, CA, 1-760-745-1170
Vintage Air, San Antonio, TX, 1-800-862-6658
Johnson's Hot Rod Shop, Gadsden, AL, 1-256-492-5989
Vintage Specialty, Gettysburg, PA, 1-717-334-7121
Lobeck's Hot Rod Parts, Cleveland, OH, 800-642-5575
Walker Radiator, Memphis, TN, 1-800-821-1970
M & E Street Rods, Rougemont, NC, 1-919-732-7336
Walkies Rod Shop, Timmonsville, SC, 1-843-346-3847
Mulier's Muscle Cars, San Bernardino, CA, 1-909-384-8119
Wheeler's Speed Shop, Huntington Beach, CA, 1-714-842-1681
Nagle's Garage, Green Lane, PA, 1-215-257-4681
Wheels of Time, Philadelphia, MS, 1-601-656-7534
New Age Motorsports, Monroe, CT, 1-203-268-1999
Yearwood Speed & Custom, Martinez, GA, 1-800-444-3331
Parr Automotive, Oklahoma City, OK, 1-405-942-8677
Yogi's, Calamus, IA, 1-800-373-1937



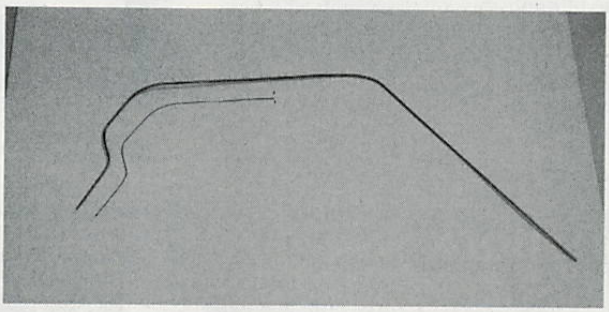
Visit us on the Web:
www.coolingcomponentsinc.us.com



The proportioning valve was mounted and brake-line templates were formed to follow the frame and come off of the frame to line up with the ports in the proportioning valve. Stainless steel line clamps were located along the brake-line templates and holes were drilled and tapped into the frame to mount the clamps. Note that the line going to the rear (left) is made of two pieces of welding wire welded together. Several of the brake-line templates were longer than the welding rod we were using for templates.



In order to keep the rearend housing clean, we ran the rear cross brake line along the frame and installed two flexible lines at each rear brake. The rear brake-line template was formed to follow the frame and end at a trailer T fitting on the driver side and a brake-line adapter fitting on the passenger side. The brake-line tabs were previously welded in place on the frame. The trailer T allowed us to attach the T directly to the brake-line adapter via the male port on the fitting and run one brake line in and one brake line out. This eliminates the short brake line required if you utilize a T fitting with three female ports.



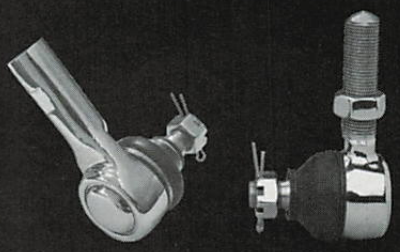
To form the rear brake-line template we bent one side to fit the application. After locating the center on the template we traced the outline of the formed side on to a piece of cardboard and marked the center on the cardboard. The next step was to bend the opposite end to match the outline on the cardboard.

The Deuce Factory

800-854-6225 714-546-5596
Fax 714-546-0254 www.deucefactory.com
424 W. Rowland Ave. Santa Ana, CA 92707 **"Ask for a catalog!"**

Ask for a catalog

Stainless Steel Tie Rod Ends

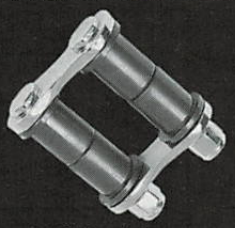

Mustang II Early Ford

Polished Stainless Steel Spring Pad & U-Bolt Set

For model 'A' through '34 Fords features a higher raised spring pad center to accomdate slimmer leaf springs reducing need for spacers. 304 stainless U-bolts with nylocs.

#3234P

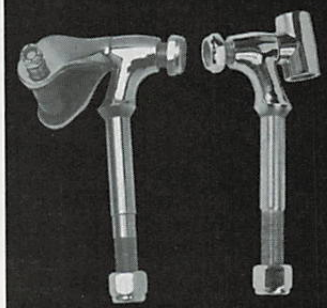
Stainless Steel Front Shackles


1-3/4"shcakles come with all stainless studs & nuts (no Chrome). Each pair comes with moly nylon bushings highly polished. #3355

Vega Pitman Arm

Designed to fit Chevy Vega Steering Box Made from 17-4 heat treated stainless steel

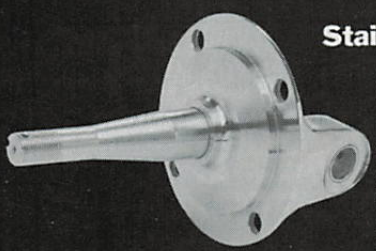
Stainless Steel Adjustable Spring Perches

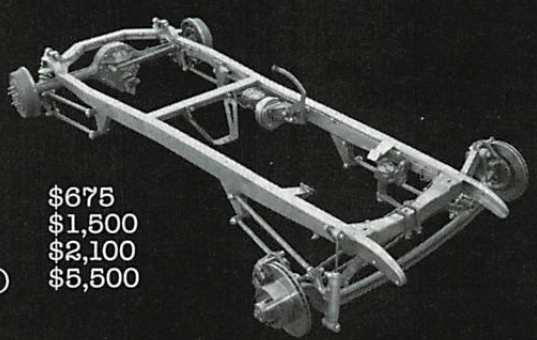

#3354 #3398

Redesigned to bring the perch eye center back to stock Ford height. Lowering the car almost 1/4" over the old adjustable perches.

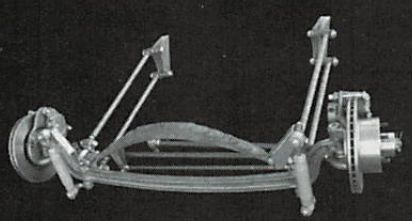
A new Dead Perch Head to compliment our adjustable perch. Allows for front end caster adjustment without spring bind and reduces bump steer caused by lateral front end movement. The Dead Perch is a perfect alternative to using a Front Panhard bar. made from Highly Polished 17-4 heat treated stainless steel.

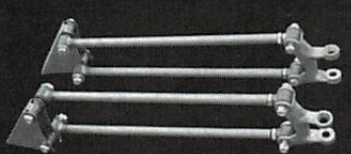
Stainless Steel Spindles

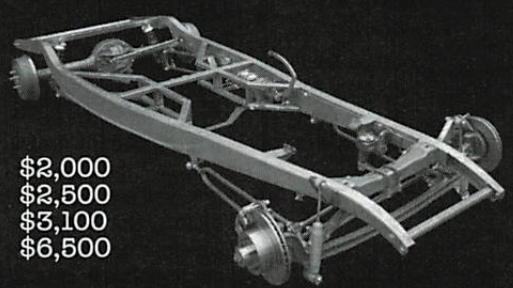

Reproductions of the popular '37-'41 Ford spindle. Cast from 17-4 stainless steel and feature a high strength shaft. Highly polished with King Pin bushings fitted, stainless steel grease fittings and spindle nuts. #3400P



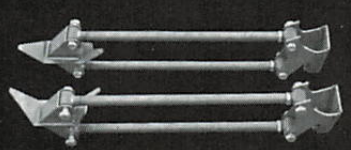
"A" Bare $675
With Brackets $1,500
Stage #1 $2,100
Stage #3 (shown) $5,500

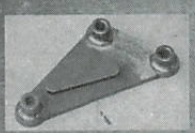

28 - 34 Front Axle - $1,595


28 - 34 Front 4 bar Kit - $299



32 Bare $2,000
With Brackets $2,500
Stage #1 $3,100
Stage #3 (shown) $6,500


28 - 34 Universal 4 bar Kit - $299


Vega Bracket $28

U Bolt Kit $28

28 - 32 Shock Brackets - $25

www.classicstreetrodmfg.com
760 E. Francis St. #0
Ontario, CA 91761 (800) 393-4770
CLASSIC STREET RODS

DON'S Hot Rod Shop

Home of the NHRA record holding "Incognito Roadster"

* Not legal for sale or use on any pollution controlled vehicle.

Order Line 1-800-888-8892

2811 N. Stone Ave.
Tucson, Az 85705

We accept Mastercard, Visa, and C.O.D.s
No personal checks please.
Most orders shipped same day via U.P.S.
All prices plus shipping charges.

DON'S Hot Rod Shop 4-Color T-Shirts $12.95 EACH

SPORTSMAN RICHMOND

Part No.	Ratio	Price
GM 12 Bolt Truck		
SGM 12T05	3:73	184.00
SGM 12T06	4:10	172.00
SGM 12T08	4:56	172.00
GM 10 Bolt Most 1970-81		
SGM 8506	4:10	189.00
SGM 8507	4:56	189.00
Ford 9"		
SFD 906	4.11	172.00
SFD 907	4:56	172.00

EATON Posi Assemblies from..... 310.00

CRANE Cams
HI INTENSITY ALUM. ROCKERS $194.95 SET
•Energizer Cam & Lifter Kit.....129.95
•HMV Cam*.....98.95

Cam and Lifter Kits
O.E.M. GRIND
Small Blk. Chevy
300 H.P. 327 $84.95

SEALED POWER Basic Re-Ring Kits
Cast $79.95 Moly $89.95
•Rod Bearings.....Set 18.95
•Main Bearings.....Set 24.95
•Cam Bearings.....16.95
•Cast Rings.....28.95
•Moly Rings.....39.95
•Hi Vol Oil Pump.....29.95
•Forged Flat Top Pistons.....244.95
•Std. Double RollerTiming Set.....16.95
Above parts for Chevy 350
OTHERS SLIGHTLY HIGHER

GM Chrome Alternator
100 AMP
One Wire
$79.95
66445.1

TAYLOR
SPIRO PRO 8mm Silicone Spiral Wound
UNIVERSAL WIRE SETS $49.95
*The very best street wire available
*Maximumfire power without radio interference
*100% silicone for heat protection up to 600°F.
*Available in Red, Blue and Black

SPECIAL OF THE MONTH
Autogage by Auto Meter
233904
With External Shift Light $104.95
*233903...10,000 RPM Tachometer with shift light on the face..... $94.95
*233906....10,000 RPM Tachometer with shift light and memory recall..... $124.95

U EXHAUST U-BENDS
BUILD YOUR OWN HEADERS/EXHAUST SYSTEM.

•1-1/4.....6.50	•1-7/8.....8.75
•1-1/2.....7.50	•2".....8.95
•1-5/8.....7.75	•2-1/4 .....12.95
•1-3/4.....7.95	•2-1/2.....14.50

SOME HEADER FLANGE KITS AND COLLECTORS ARE AVAILABLE

R&M SPECIALTIES
Spark plug Wire Looms
Sm/Blk Chevy
Satin
$32.95
ALSO AVAILABLE FOR FORD & MOPAR

K&N
60-1264
Chrome*
14" X 3"
4BB Air Cleaner
$89.95
We carry a good stock of K&N

•Push-on Oil Cap*	62-1490	17.50
•4BB Stub Stack*	85-0200	37.85
•Air Filter Cleaner 32oz.		8.75
•Air Filter Oil 12oz.		6.25

HURST FLOOR SHIFTERS AND ACCESSORIES

	From
•Master 3-Speed	198.95
•Comp plus 4-Spd	276.95
•Univ. Indy 3-Spd	82.95
•Univ. Indy 4-Spd	164.95
•Indy Boot&Plate	13.95
•Roll Control	109.95
•Pro-Matic2 Shifter	164.95

TD Performance Products
Motor Mount Conversion Kits

	From
•Chevy Univ. Ft. Crossmember	56.95
•Univ.Rear Croosmember	56.95
•Chevy V-8 to 55-57Chevy Pass.	82.50
•Chevy V-8 to 55-59 Chevy PU	71.95
•Chevy V-8 to 55-57Ford PU	69.95
•Chevy V-8 to 71-74 Vega Kit	109.95
•S/B Ford to 52-64 Ford PU	69.95

Edelbrock
Small Block Chevy
Performer Intake Manifold # 2101
$114.95
• Small Block Chevy #7101 Performer RPM..... $132.95
• Small Block Ford #2121 Performer..... $141.95

HOOKER Competition
Some Small Block V-8*
$139.95 Pair
Also available
*Super Competition Headers and Mufflers

HAYDEN AUTOMOTIVE
A COMPANY OF FOUR SEASONS DIVISION/STANDARD MOTOR PRODUCTS
RAPID-COOL ELECTRIC FAN
$79.95
16" #3700

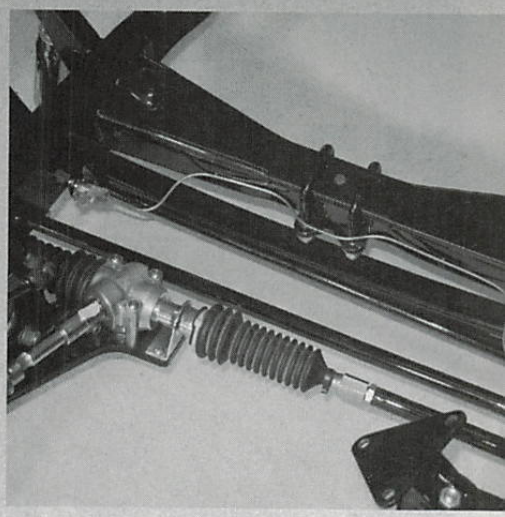
Edelbrock
1405 Manual Choke..... $234.95
1406 Electric Choke..... $265.95

*BLOCK HUGGER HEADERS
Plain.....109.95
Ceramic Coated or Chrome.....199.95
GASKETS,BOLTS & REDUCERS INCLUDED

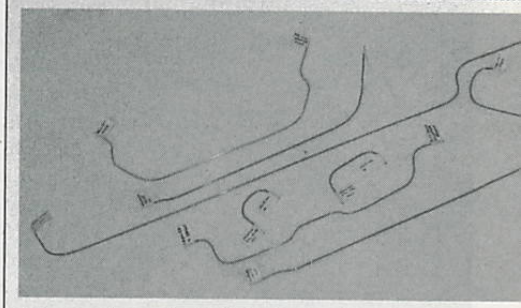
DYNOMAX High Performance Exhaust
Cyclone Performance Exhaust Systems
*HEADERS SOME V-8 Cars and Trucks
$119.95 complete
•Boss Turbo Muffler.....19.95
•Super Turbo Muffler.....39.95
•Header Dual Kit (Trucks only).....119.95

Z-Gate B&M
$102.95
Z-GATE SHIFTER
•Quick Silver Shifter.....152.95
•Star Shifter.....106.95
•Mega Shifter.....159.95
•Shift Improver Kit.....24.95
•Transpak Most Cars.....50.95
•Trick Shift Fluid.....Qt. 2.95
•Pro Stick Shifter W/Cover.....154.95

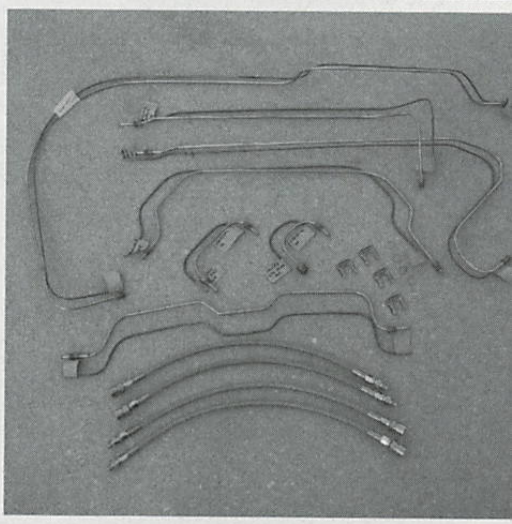
STREET OCTANE BOOST 104+(16OZ) $5.59
RACING Super 104+ (16 oz) $6.59



The front brake-line template was formed using the same process as the rear template.



After we formed all of the brake-line templates, we marked each end as to where it fit into the brake-line system. This allowed Classic Tube to attach the correct fitting to each line end. By eliminating adapters, we achieved a professional-looking brake-line system and eliminated potential leak points.



We shipped the brake-line templates to Classic Tube and, after several weeks, we received a complete stainless steel brake-line system. Our templates were included so that we could see what was manufactured matched our templates. Note: One long line was bent and marked "Bent for Shipping Purposes." That line was easily straightened out prior to installation.

but since we are always looking for a better and less laborious way to build street rods, we decided to try it out. While we were at it, we ordered the needed adapters, clips, crush washers, residual pressure valves, etc.

The templates were formed from 1/8-inch-diameter welding wire. In several places we welded two pieces of welding wire together to form a longer piece. We then marked the ends of each template to describe where the ends fit in the brake-line system (master cylinder, residual pressure valve, etc.). Classic Tube is able to install the correct fittings, thus eliminating adapters and potential brake-system leak points.

We will not get into the various types of hoses available in the automotive world in this article, but it's important to note that flexible brake-line hoses are very important to your safety and the safety of those around you. While speaking with Tom we discovered that many of the stainless flexible brake hoses on the market today are not Department of Transportation (DOT) approved. These brake hoses normally are marked "Recommended For Off Road or Racing Use Only," a disclaimer about street use. Since the flexible hoses we had on hand were not DOT-approved we added four braided stainless brake hoses to our order. Classic Tube's Stop Flex DOT stainless braided hoses are not only DOT-approved, but come with a clear Teflon protective sleeve covering the line, polished fittings, and polished crimp sleeves. These hoses are definitely high-quality and over the top as far as what can be done to make a brake hose beautiful.

Several weeks later, UPS delivered a box containing everything we needed to run our entire brake-line system. Each line was taped to our corresponding template, so we could check the lines and we would know where each line fit into the system.

Within several hours we had our hydraulic brake system completed. With just some minor tweaking, all of the lines fit as advertised. After bleeding the brakes and tightening up several fittings that showed leaking fluid, we had brakes. Remember, when bleeding the

Steel Tapered
MONO LEAF
CHASSIS SPRINGS

Simply Put....State of the art technology in leaf spring suspension: Better Ride, Better Handling, Quieter, Better Looking, Ease of Installation, Hundreds of Applications. All Springs are designed to fit into original brackets and hardware and to lower your vehicle, from moderate to very low.

- S-10s
- Customs
- Camaros
- Mustangs
- Tri-5 Chevys
- Studie Trucks
- A Little Mopar
- Vegas & Novas
- T-Birds 1955-1957
- Corvettes 1953-1995
- Chevy Cars 1925-1957
- Chevy Trucks 1946-2002
- Shoe Box Fords & Mercs
- And Some Oddball Stuff Too
- Classic & Late Model Pickups
- Ford Cars & Trucks From 1928
- Street Rods,Fords And Chevys
- Retro Fit Parrallels For Fat Fendered Fords & Others

THE SINGLE BEST THING YOU CAN DO FOR YOUR RIDE

DURANT ENTERPRISES
Post Office Box 7278
Newport Beach, California 92658
Telephone # 949-673-5625

MAS ROADSTER COMPONENTS

MAS Fiberglass Body Parts

23T Bucket w/Firewall, Dash, Mounting Flange to Frame
625-8162 • $349

23T Bucket Insert w/Seats, Floor, Driveshaft Tunnel
625-8163 • $199

23T 14" Pick-Up Bed (One Piece)
625-8168 • $139

23T Turtle Deck (One Piece)
625-8169 • $99

23T Tunneled Dash
625-8171 • $69

23T Running Boards (pair)
625-8172-3 • $99

23T Front Fenders (pair)
625-8176-7 • $199

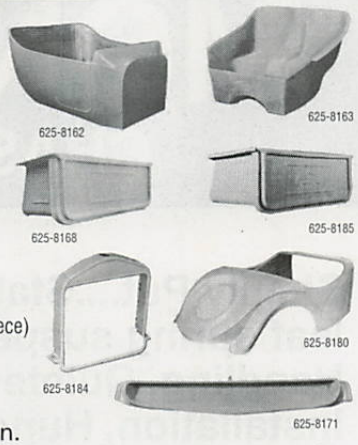
23T Rear Fenders (pair)
625-8178-9 • $159

'32 Austin Bantam Body
625-8180 • $349

23T Splash Aprons (pair)
625-8182-3 • $99

23T Grill Shell
625-8184 • $79

23T 20" Pick-Up Bed(One Piece)
625-8185 • $159



23T Frames available – $289. Call for information.

MAS Single Spring Suspensions – Two Styles!

48" C to C, .250 wall Tube Axle. Kit includes axle, spring shackles, 27" radius rods, swivel mounts, clevises.

When ordering specify:
- 1-3/4" or 2" O.D. axle
- Top, front, and rear of axle spring mounting
- Spindles: '28-'48 Ford, '49-'54 Chev, '60-'66 Econoline

The CLASSIC – $359
0-2-3-4-5-6-7" Drop

The ROADSTER – $349
2" Drop available.

Add $10.00 for special width axles. Add $10.00 for 36" radius rods.

MAS Dual Spring Suspensions

Kit includes axle, spring, shackles, mounting brackets, U-bolts, spring pads.

The DEUCE – $329
0-2-3-4-5-6-7" Drop

AXLE Only – $179
0-2-3-4-5-6-7" Drop

When ordering specify:
- Spindles: '28-'48 Ford, '49-'54 Chev, '60-'66 Econoline

Forged Spindles available from $149.
- '28-'48 Ford, '49-'54 Chev

King Pin Kits from $29.

Spindles with Fitted King Pins from $199.

MAS Urethane Bushings

Set of 8 urethane bushings, steel sleeves.
625-1000 • $25

MAS 4 Bar Ends & Bushings

1/2" RH – 625-529 • $9 each
5/8" RH – 625-429 • $10 each
5/8" LH – 625-429L • $13 each
3/4" RH – 625-329 • $13 each

Complete Disk Brake Kits
- with 11" rotors, from **$239.**
- with 9-1/4" rotors, from **$249.**

Aluminum Radiators

1917-23 Ford **$409**
1932 Ford **$439**
Custom applications available – call for pricing.

Aluminum Fuel Tanks

Satin finish, spun aluminum. Mounting brackets included. 2-1/4" neck - 1/4" outlet. Add $5 for 1/2" outlet.

353-2 gal. 8" x 12"	**$89**	**353-10 gal.** 10" x 30"	**$109**
353-3 gal. 8" x 16"	**$89**	**353-11 gal.** 10" x 33"	**$119**
353-5 gal. 8" x 24"	**$94**	**353-14 gal.** 10" x 42"	**$149**
353-6 gal. 8" x 30"	**$99**	**353-15 gal.** 10" x 45"	**$159**
353-7 gal. 8" x 33"	**$104**		

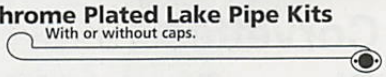
VDO INSTRUMENTS

5 Gauge Street Rod Kit
Electronic **$265** • Mechanical **$179**

MAS CHROME

Chrome Plated Lake Pipe Kits

With or without caps.



Length	2" w/o caps	2" w/caps	With 3 caps
60"	355-1260 $89	355-1263 $99	355-1264 $159
70"	355-1270 $94	355-1273 $109	355-1274 $164
80"	355-1280 $99	355-1283 $119	355-1284 $169

Chrome Alternators*

TUFF STUFF PERFORMANCE ACCESSORIES

7127 RB GM 80 amp, 1wire **$84.99**
7127 RD GM 100 amp, 1wire **$94.99**
7068 RD Ford, 100 amp, 1wire smooth back **$109.99**

Chrome Water Pumps*

1354 NA GM short **$69.99**
1449 NA GM long **$74.99**

New Smooth Casting Show Quality
1394 NB GM Polished Alum, short **$119.99**
1511 NB GM Polished Alum, long **$129.99**

Chrome Starters*

3510 A GM full size **$109.99**
3124 A Ford 2-bolt **$119.99**
3131 A Ford 3-bolt **$119.99**

Gear Reduction Mini Starters
6584 A GM , 1.9 H.P. **$169.99**
6772 A GM Super, 2.6 H.P. **$199.99**
6585 A Ford Sm. Blk., 1.9 H.P. **$179.99**
6785 A Ford Sm. Blk., Super, 2.6 H.P. **$199.99**

** Additional Ford & Mopar Available – Call for Pricing.*

Chrome GM Power Steering Pump

6176 A **$139.99**

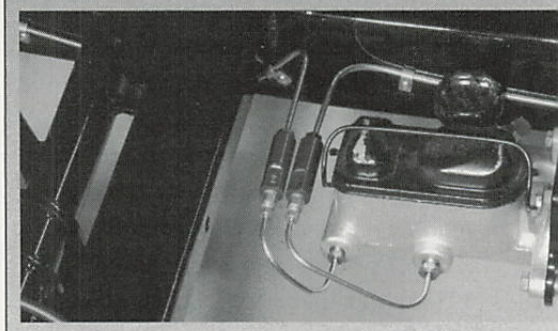
MAS RACING PRODUCTS

(651) 644-6811

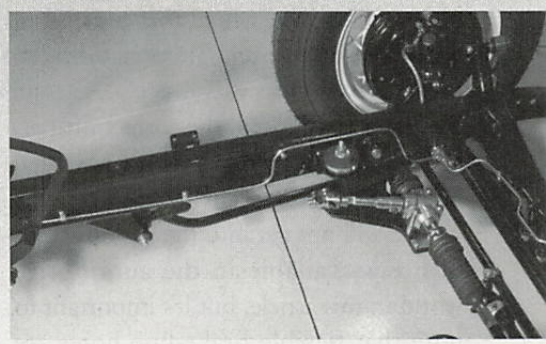
Fax: (651) 644-1635
DEPT. SR • 2288 University Ave.
St. Paul, MN 55114

PRICES SUBJECT TO CHANGE • Catalog $3
$3 Processing Charge On All Orders
We Ship Worldwide!

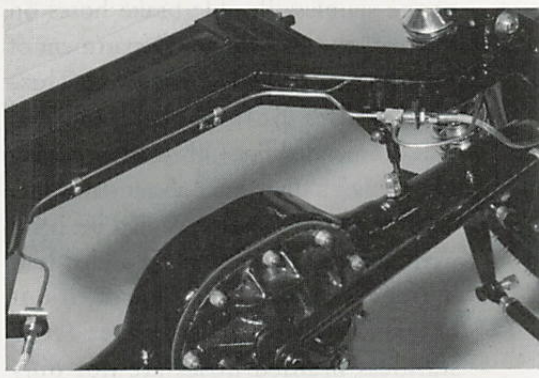
AMERICAN EXPRESS DISCOVER MasterCard VISA



The residual pressure valves and the beautiful stainless steel brake lines make for a clean and neat installation.



The neatness and simplicity of the front brake-line system can be seen in this view. Strive for minimum bends, avoid loops, etc., and keep the brake lines as simple as possible.



Like the front brake-line system, the rear brake-line system is clean and simple.

Shown on the left is Classic Tube's Stop Flex Department of Transportation (DOT) approved braided stainless steel brake hose. For protection, the braided portion of the hose is covered with a clear Teflon sleeve. For *beauty*, the crimp ferrules and end fittings are polished stainless steel. On the right is the non-DOT-approved flexible brake hose found at swap meets across the country. We advise you to obtain the best brake parts—including hoses—that are available. Your safety, as well as the safety of those around you, is on the line.

brakes, do not pump the brake pedal, just push it down and bleed at each wheel cylinder. Start with the wheel cylinder farthest from the master cylinder and work back to the wheel cylinder nearest to the master cylinder.

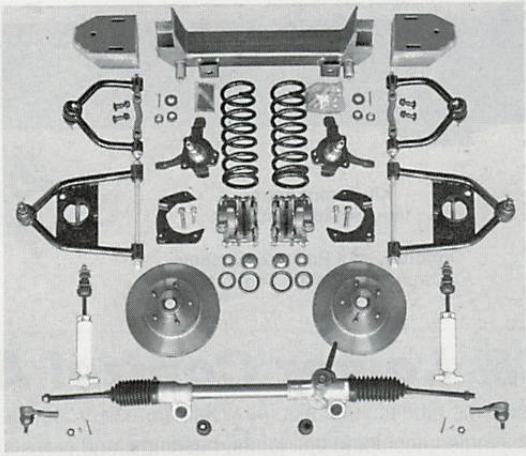
We also discussed DOT 3 and DOT 5 (silicone) brake fluids with Tom. We were told that because of its low viscosity, DOT 3 will give you a harder pedal feel. However, DOT 3 will boil at high temperatures, remove paint if spilled on painted surfaces, and if you use DOT 3 brake fluid, you must purchase small quantities and do not store it as it will absorb moisture. DOT 5, known as silicone brake fluid, will not absorb moisture, has a higher boiling point than DOT 3, and will not harm painted surfaces. DOT 5 has a higher viscosity and, because of its higher viscosity, you will get a softer brake pedal, plus it is tricky to bleed and will leak more easily than DOT 3 brake fluid. You cannot mix DOT 3 and DOT 5 fluids. If you switch from one to the other you must thoroughly flush the brake system prior to refilling. And do not top off a DOT 3 fluid system with DOT 5 fluid or vice versa. It's your choice of which fluid to use. We had a new system and we chose DOT 5 because, despite the drawbacks, we hate messing up painted surfaces when we bleed the brakes.

Knowing firsthand the struggle and hard work required to form your own stainless steel brake lines, we can honestly say that Classic Tube sure can make the task much easier. While we waited for the brake lines to be delivered we were able to work on other areas of the buildup and gain some valuable time.

CLASSIC TUBE
80 Rotech Dr., Dept. SRM
Lancaster, NY 14086
(800) 882-3711
www.classictube.com

WHY PAY MORE FOR LESS?

For 16 years Street Rod Engineering, Inc. has been providing street rodders with the highest quality products at the most reasonable prices.

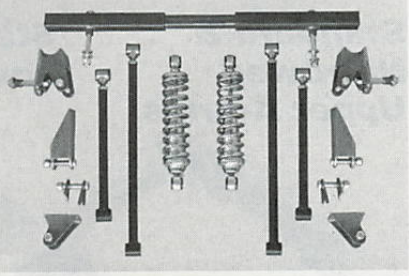


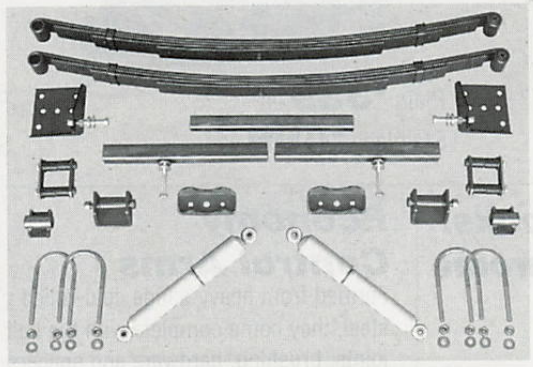
HUB TO HUB PACKAGES WITH TUBULAR A-ARMS FROM:

$1499.99
with FREE SHIPPING!*
(some applications are higher add $100.00 for power rack & pinion-* free shipping to the lower 48 states and does not apply to subfame assemblies or applications that must be shipped motor freight)

TRIANGULATED FOUR LINK KITS WITH COILOVER SHOCKS FROM:

$799.99 +S & H





PARALLEL LEAF SPRING KITS FROM:

$375.00 +S & H
(universal weld on kit w/o shock crossmember) ($399.99 +S&H as shown above, universal weld on kit with shock crossmember)
Specific application kits available starting at $430.00+S&H

Info: 928-855-5616

1960 Commander Dr.
Lake Havasu City,
Az. 86403

Toll free order line: 1-800-678-6883
www.streetrodengineering.com
Catalog $5.00 or download free off our website

VISA MasterCard DISCOVER AMERICAN EXPRESS

T-shirts:
M,L,XL-$13.50
XXL, XXXL-$15.50

STREET ROD Engineering
WE DO FAT RIGHT

SAME DAY SHIPPING!
On Most Orders

THE HEIDT'S ADVANTAGE!

Call for FREE installation instructions!

Heidt's Mustang II IFS Crossmembers

APPLICATIONS	APPLICATIONS
'33-'34 FORD	'34-'36 CHEVY
'35-'40 FORD	'37-'48 CHEVY
'41-'48 FORD	'49-'54 CHEVY
'35-'41 FORD PICKUP	'37-'54 CHEVY PICKUP
'48-'52 FORD F1	'55-'59 CHEVY PICKUP
'53-'56 FORD	'62-'67 CHEVY NOVA
	MULTI-FIT

ALL APPLICATIONS AVAILABLE IN ECONOMY AND DELUXE

One-piece Shock Cups are T.I.G welded in place. First class, for you car.

Built-in Anti-Dive is all fitted to your frame... No Cutting Required! Nothing to measure or trim... It's all done!

Vertical Inner Uprights. This is the strongest design available, with twice the weld area. This will keep your frame from twisting!

Cross member and Spring Towers precut and pre-welded to fit your frame... Nothing to Measure!

Crossmember made from only 2 Formed Pieces for maximum strength and Accurate Fit. This is VERY important.

Kit Components Vary by Application.

Optional Strut Plates & Gussets must be purchased separately.

Deluxe kits are fully ground

As Low As **$399**

Polished Stainless Steel Ball Joint Caps
ONLY **$29.50**

Tubular Upper & Lower Control Arms

Tubular upper and lower control arms provide the ultimate in looks. All welds are heli-arc for maximum strength and appearance. Arms are fully assembled, including ball joints, bushings, and cross shafts.

Standard & Narrowed Upper A-Arms

Plain **$249** PR.
Stainless **$399** PR.

Standard & Narrowed Lower Full A-Arms

Plain **$339** PR.
Stainless **$499** PR.

Standard & Narrowed Coil-Over Lower A-Arms

Plain **$339** PR.
Stainless **$499** PR.

Coil-Over Shocks: Chrome w/Chrome Springs

#375, #500, #600, #700
ONLY **$429** PR.

QA1 Coil-Over Shocks

#365, #465, #600, #565
ONLY **$499** PR.

Polished w/Chrome Springs
ONLY **$619** PR.

Economy Control Arms

Formed from heavy gauge cold-rolled steel, they come complete with the ball joints, brushing, hardware and spacers.

Upper A-Arms
ONLY **$199** PR.

Lower Full A-Arms
ONLY **$259** PR.

Mustang II 2" Dropped STEEL Spindles...

- *If it doesn't say Heidt's, it isn't STEEL!*

1045 HEAT-TREATED ALLOY STEEL

FORDS STOCK SPINDLES ARE STEEL NOT CAST IRON

ONLY **$319** PR.

SRMA STREET ROD MARKETING ALLIANCE

SAME DAY SHIPPING! On Most Orders

THE HEIDT'S ADVANTAGE!

NEW! 11" Brakes Standard on Packages

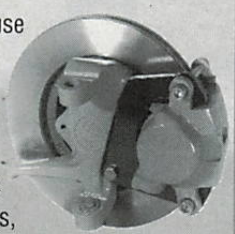
Heidt's Mustang II Suspension Packages

Mustang II Suspension Packages are available in Deluxe and Economy versions, and both are available with or without crossmembers. Deluxe packages include plain tubular upper and lower full A-Arms, while Economy packages include our new formed steel budget upper and lower full A-Arms. All Packages include: 11" five lug rotors, bearings and seals, springs, stock spindles, rebuilt GM calipers with brackets and pads, manual rack and pinion with tie rod ends and bushings, rubber springs cushions, spindle nut kit, and all mounting hardware.

OPTIONS AVAILABLE: POLISHED STAINLESS ARMS, CHROME COIL-OVER SHOCKS & SPRINGS, BIG BRAKE KITS, POLISHED CALIPERS, POWER RACK& PINION, 2" DROPPED STEEL SPINDLES, POLISHED ALUMINUM HUBS, AND MORE.

As Low As **$1,699**

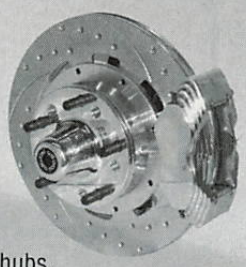
11" Brake Kits



Bracket kits use 11" Ford or Chevy rotors and '78-up GM calipers. Complete kits include: rotors, calipers, bearings, brackets and hardware.

	BRACKET KIT	COMP. KIT
CHEVY	$110	$349
FORD	$99	$329

12" Big Brake Kits

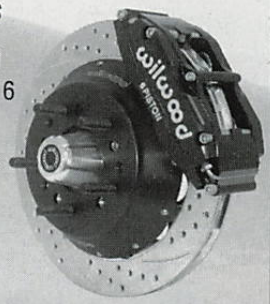


Polished or Black Calipers, slotted and drilled rotors, polished hubs.

Mustang II complete kit outright $999

IFS Package upgrades From $749

13" Big Brake Kits



Polished or Black 6 Piston Calipers, slotted and drilled rotors.

Mustang II complete kit outright $1,795

IFS Package upgrades From $1,549

Adjustable Power Steering Valve

Now you can tune your power steering with our new Adjustable Power Steering Valve. It allows you to set, or 'tune', the 'feel' of your power steering with just the turn of a knob.

ONLY **$79**

Hose Kits Available

SUPERIDE™ Rear Coil-Over Shocks

NEW

- Adjustable Ride Height Spring Seats
- Available Painted and Powder Coated
- 5/8" Hard Chrome Shafts
- Polished Upper Cones
- Urethane Bushings
- Progressive Rate Springs
- Chrome Springs & Shock Bodies are also Available.

From $329

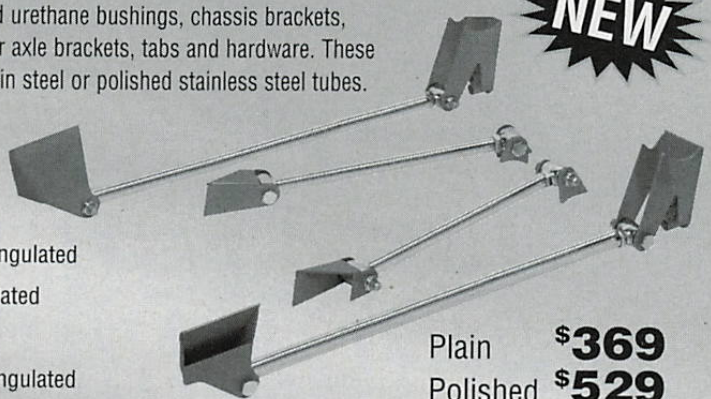
FORD Rear 4-Bar Kits

NEW

Stainless adjusters and urethane bushings, chassis brackets, multi-position coil-over axle brackets, tabs and hardware. These kits are available in plain steel or polished stainless steel tubes.

Crossmembers and Coil-Overs also Available

'28-'31 Parallel & Triangulated
'32 Parallel & Triangulated
'33-'34 Triangulated
'35-'40 Parallel & Triangulated



Plain **$369**
Polished **$529**

CALL FOR FREE CATALOG...
TOLL FREE 1-800-841-8188
IN ILLINOIS: 1-847-487-0150

VISA MasterCard DISCOVER

www.heidts.com

HEIDT'S

Key Code: SR0405

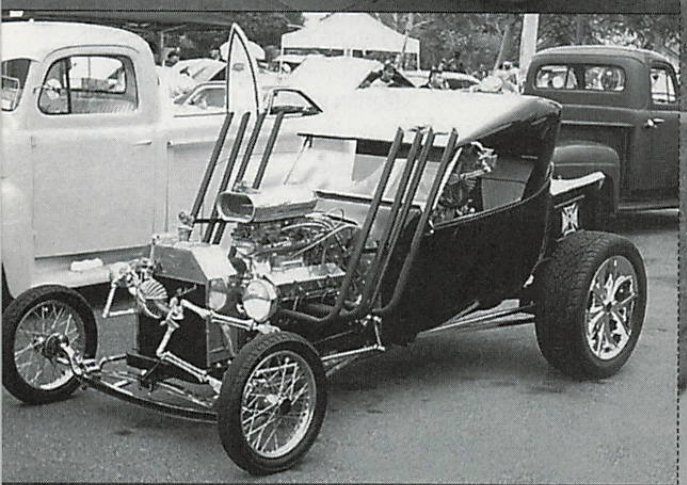
111 KERRY LANE, WAUCONDA, IL 60084

Hot Rod Shop, Inc.

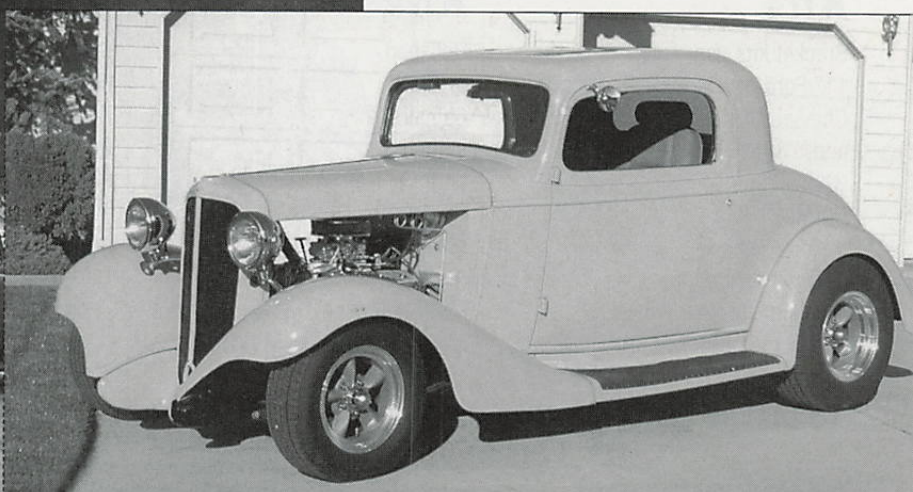
EARLY IRON

BY JASON WALKER | jason.walker@primedia.com

Like many well thought-out projects, sometimes a little outside help is needed to get the job done. This was the case for Tustin, California, resident Erick McCreight and his '36 International Harvester C-1 half-ton pickup. After some bonding time between Erick, his father, and the dilapidated '36 resulted in the realization that they might need some help, Erick enlisted the talents of Lowe Peterson of Auto Projects in Santa Ana, California. Since then the truck has been transformed into the street rod she deserves to be with the addition of a 350ci ZZ4 crate engine, Mustang II IFS, and some much-needed bodywork. So far so good Erick, just keep us informed along the way.



Check out Mike Ojeda's version of a Munster T-bucket complete with Total Performance's "Performer" top that has the perfect Munster lean. Mike's SoCal-based '27 runs a well-equipped Chevy small-block with an Offy tunnel ram and 9-inch Ford rearend, but the coolest pieces have to be the 14-inch motorcycle wheels and tires in combination with a set of 22-inch rims in the rear. We like the pipes too!



It may have taken Dennis Kuhl a little over 55 years to build his first hot rod, but just look at the results. After locating the ex-drag race '33 Chevy three-window coupe body that had been sitting in a barn since the late '60s, Dennis knew he had found an exceptional deal and dove right in with both feet. Dennis then proved to the world that you're never too old to play with toys by building the car himself, only farming out the paint and bodywork to good friend Jim Sullivan. The '33 now runs a 330hp Chevy small-block with roof section from a Maverick, '41 Chevy taillights, '95 Mustang bucket seats, and a set of American Racing Torque-Thrust wheels, finishing the Chevy off perfectly. Dennis ended his letter with a statement that left us speechless. It read: "I hope you can put a picture of my car in *STREET RODDER* magazine even though a famous builder didn't build it." Lets just set the record straight for Dennis, and anyone else out there in reader land wondering the same thing: We (*SRM*) couldn't care less if your ride was built at the most famous shop in the world, or in your own backyard. It's all about the end result, but just between you and me, there's nothing as cool as someone going the distance to build the car of his or her dreams, especially if it's the first time. Much respect to you, Dennis.

WE SALUTE YOUR IMAGINATION

Street Rods, Kit cars, Race cars

We salute the thousands of creative and ingenious people who create rolling automotive art from steel, aluminum, rubber, glass and plastic. With an array of sizes and configurations to fit just about any street or race need, we think the all-USA-made Aldan billet aluminum shock line is as all-American as those vehicular artists.

- 6061 T-6 aluminum body
- 9/16-inch piston rod
- Fully rebuildable
- Nitrogen-gas-charged
- Internally-vented oil chamber to protect seals
- Most adjustability options of any shocks
- Complete range of springs available
- Consistent damping at all speeds

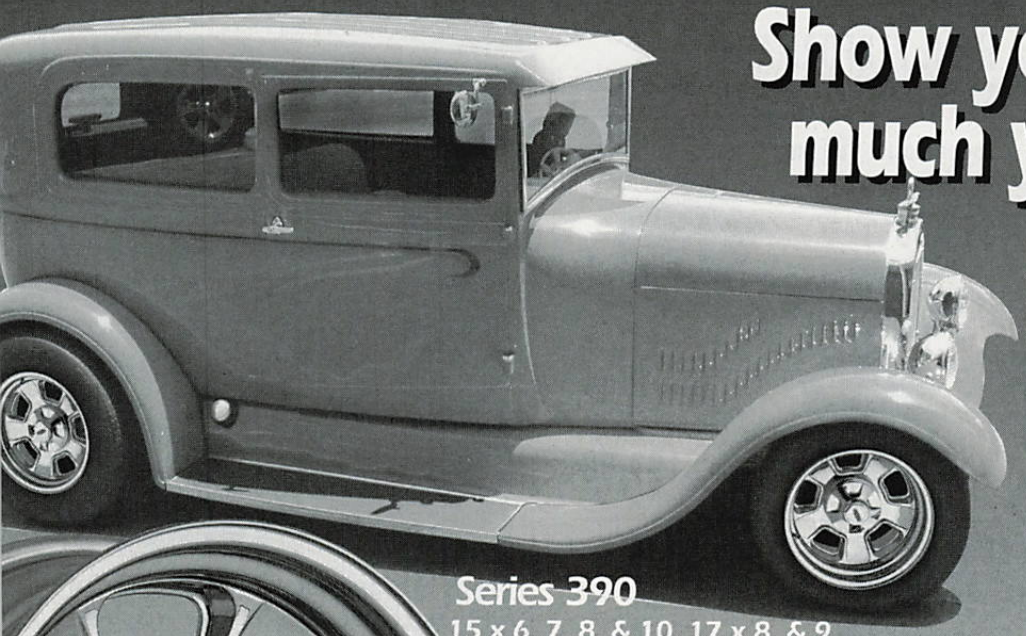
ALDAN EAGLE®

Starting at $299.95 pair!

www.aldaneagle.com

Aldan Shock Absorbers

22015 S. Avalon Blvd. Ste. C, Carson CA 90745 • (310) 834-7478 • FAX (310) 834-7654



Show your baby how much you love her!

CRAGAR®

Classic Wheels

Series 391
15 x 6, 7, 8, & 10, 17 x 8, & 9

Series 390
15 x 6, 7, 8, & 10, 17 x 8, & 9

With you since it all began!

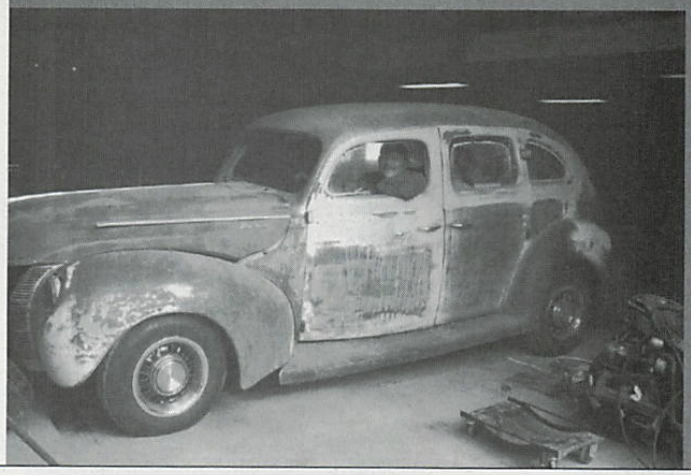
www.cragarwheel.com

909.947.1831 • Fax: 909.947.0126

2233 E. Philadelphia St. Ontario, CA 91761

Cragar and it's associated trademarks and emblems are registered trademarks of Cragar Industries, Inc. used under license to Carlisle Tire and Wheel Co.

CARLISLE Company



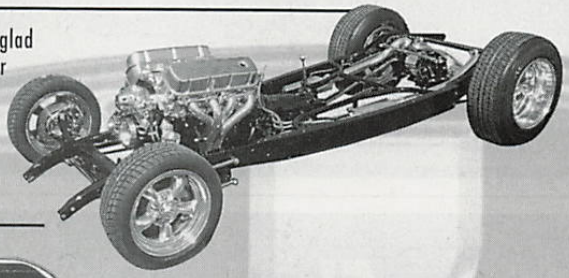
Tom "The Terrible One" Cook of Camano Island, Washington, e-mailed us a few nice shots of his latest project–a 1940 Ford sedan. Besides having a fairly straight-looking body (we're referring to the car, not "The Terrible One"), Tom has installed a Total Cost Involved Engineering Mustang II IFS, a narrowed 9-inch Ford out back, and a stout 351ci Ford Windsor with Top Loader four-speed. Thanks for being such a loyal reader (Tom said he has subscribed to *SRM* since it started), and we hope to see you on the highway, too, Tom.

Every car nut on the planet dreams of finding an old hot rod or custom car that was built "back in the day," if you will. It seems like somebody is finding one of these elusive rides every day. Dean Gooch of Henderson, Texas, was the lucky one when he fell upon this highly customized '37 Ford coupe-turned-roadster. Once Dean got a closer look, he noticed all of the very extensive bodywork was done with lead, and, from some of the parts used, Dean figures the car might have been built in the mid- to late-'50s. Other than that, Dean is at a loss for information regarding who built her, who owned her, or where exactly she's from. If anyone out there in reader land can help with this info, please do not hesitate to drop us an e-mail so we can put you in touch with Dean and his new/old heavily cut '37.

Here is yet another amazing example of what can be done in your own garage. This Pepper Red Pearl '37 Plymouth has it all thanks to owner Larry Turner of Hillside, Indiana. Power comes from a hopped-up '69 Vette small-block equipped with everything Edelbrock, while a Heidt's IFS keeps Larry and the '37 going down the road smooth and straight. After five years of hard labor from Larry and his close friends, the Plymouth looks and drives better than ever. SR

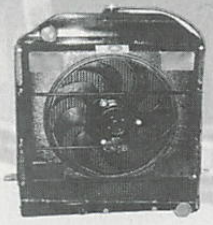
LET THE JOHNSON'S PROFESSIONALS TAKE CHARGE ON YOUR NEXT PROJECT

We deal with all major brands and will be glad to guide you in the right direction with your projects. Whether it's frame rails, custom chassis, or a turn key car JHRS can help you with all your Hot Rod needs.



COOLING COMPONENTS

CCI-150 puller fan rated at 2700 cfm.



Only $189

Shown on '40 Ford Radiator
Radiator not included

HIGH PERFORMANCE STARTERS & ALTERNATORS

Power Master 100 Amp Chrome One Wire Alternator

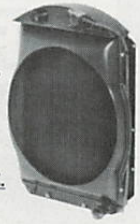
$95.00

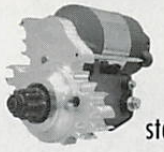
POWERMASTER

KEEP COOL WITH WALKER RADIATORS

Call for best prices!
Free freight with radiator purchase!

Walker RADIATOR WORKS INC.



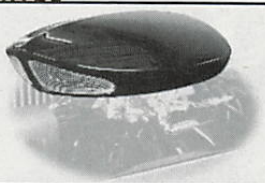


Power Master XS Torque Starter starting at $199.00

JOHNSON'S SIGNATURE SERIES

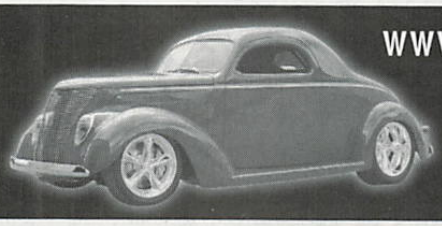
The Nostalgia Air Cleaner is here!

Complete package includes air cleaner cover, stainless steel mesh, base, and air filter element. Fits most 4-barrel carburetors.



Only $349

Fiberglass cover only: $250



www.johnsonshotrodshop.com

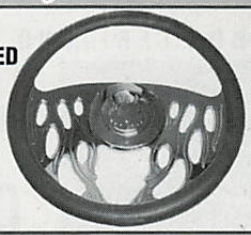
Order Line: 1-866-577-5477
2439 E. Meighan Blvd.
Gadsden, Alabama 35903

We Specialize in

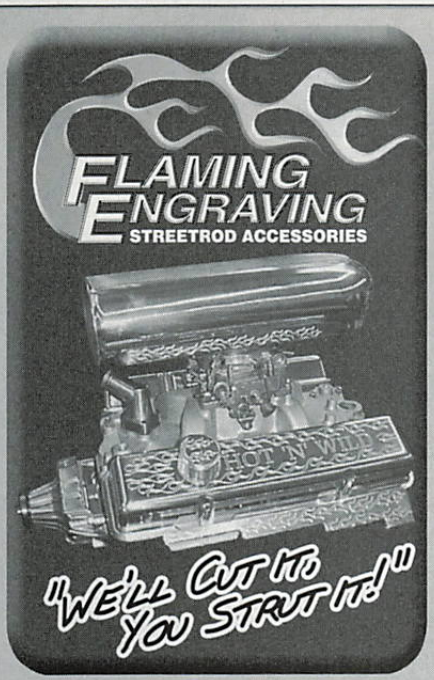
personalized

Engine Accessories

POLISHED ALUMINUM BLACK POWDER COATED FLAME DRESS UP KIT:
SB Tall/Short Valve Covers, PCV & Breather Set, 12" Oval Air Cleaner
***Only* $320.00**

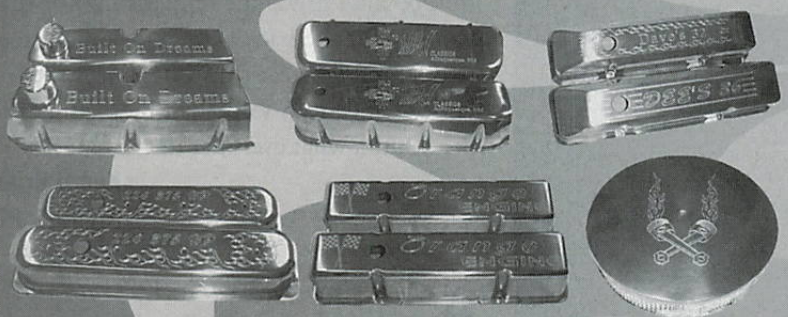


BILLET STEERING WHEEL
With 1/2 wrap black leather grip, Flame horn button and adapter
***Only* $ 250.00**



CHEVY
SMALL BLOCK or CENTERBOLT
BIG BLOCK SHORT or TALL

FORD
SMALL BLOCK - TALL



Many Other Accessories Available!

MIRRORS BILLET ITEMS WIRELOOMS RAD/HEATER
BREATHERS PULLEYS AIR CLEANERS STAINLESS STEEL HOSES

Choose Your Design To Make Your Vehicle Stand Out!

Visit us on the web - www.flamingengraving.com

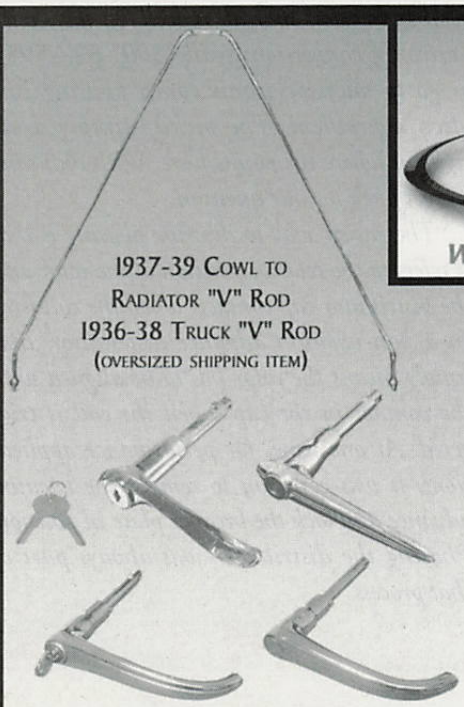
1701 Commerce St., Corona CA 92880 • Ph:866-66FLAME (35263) • Fax:951-735-7508

1929-54 Chevrolet Parts

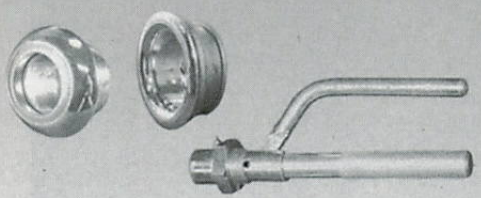
I & I Reproduction, Inc.

www.iandireproduction.com

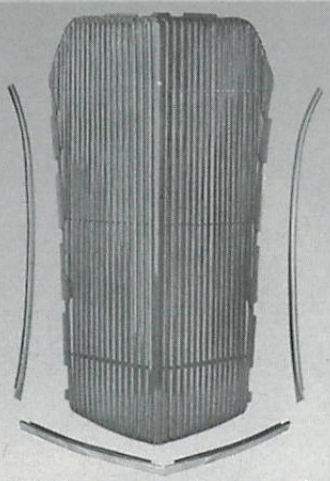
2005 PARTS CATALOG
$5 OR FREE W/ PURCHASE



1937-39 Cowl to Radiator "V" Rod
1936-38 Truck "V" Rod
(oversized shipping item)

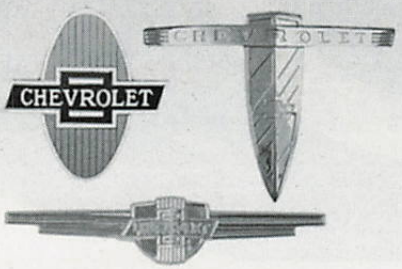


1929-48 Door/Trunk Ferrule
Universal Ferrulle Installation Tool



1937 Grill Insert- Passenger Car.
1937 Grill Insert- Truck
(Oversized shipping Item)
1937-40 Grill Center Strips
(car and truck)
1937 Grill Side Trim
(car and truck)
1937 Grill Bottom Trim
(car and truck)

Outside Door Handles
1931-32 Locking - 1931-32 Non-Locking
1934 Locking
1935 (standard) Locking - 1936 Locking
1937 Locking - 1937 Non-Locking
1938-39 Locking - 1938-39 Non-Locking



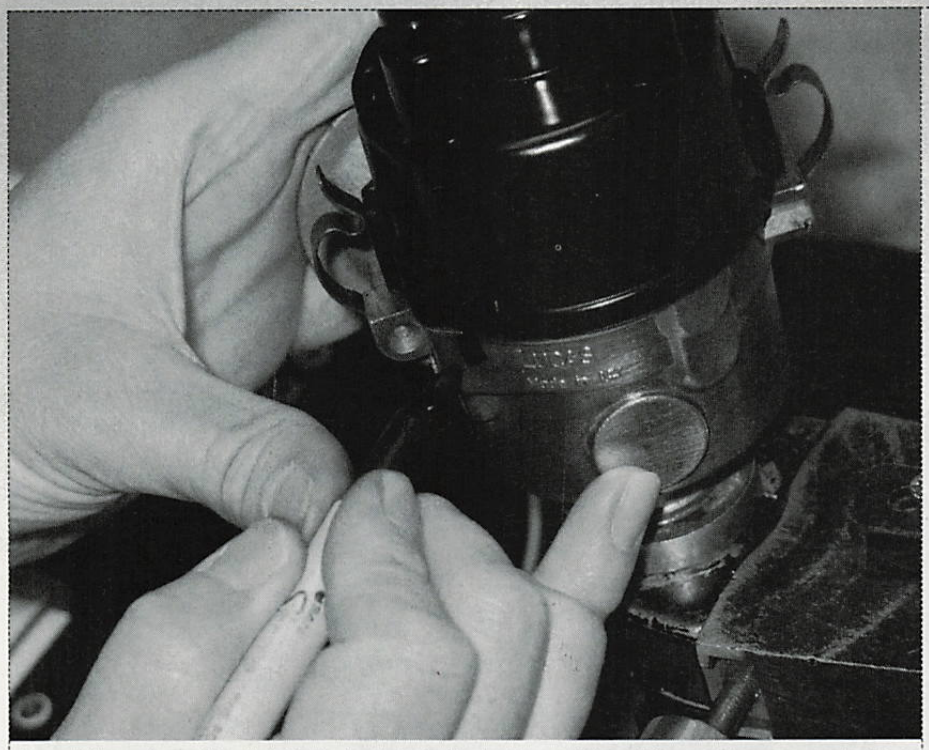
1928 - 1939 Grill Emblems

15513 Vermont Ave. Paramount, CA 90723
Phone (562) 531-8117 Fax (562) 531-3096

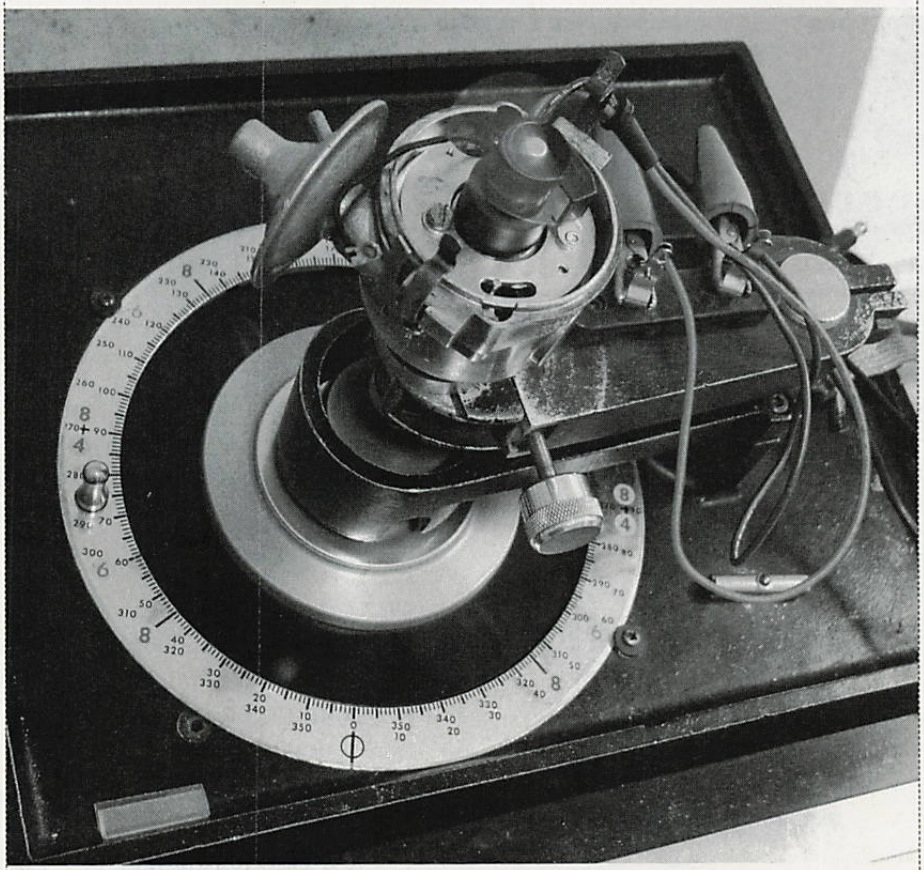
15% Shipping & Handling ($ 8.50 min. & $ 40.00 max) Continental US **All others call for details**
Visa, MC, Check, M/O & CODS Accepted, Prices & Availability Subject To Change Without Notice

SHOP MANUAL

BY RON CERIDONO | ron.ceridono@primedia.com



A mark is made on the distributor body to indicate the position of the number one contact in the cap (or a cutaway cap can be used).



The first step is to mount the distributor in the machine and make sure it is working properly. In this case, we're working with a Lucas four-cylinder distributor with a Pertronix conversion installed; it worked perfectly.

IT'S JUST A PHASE

Q. I've heard the term "phasing" a distributor, but I'm not sure what it means. My T-bucket has a 327 Chevy engine and a stock vacuum advance distributor with a Pertronix unit in it (I chose this combination because it was the only distributor that would clear the back carburetor on a three-two setup). The car runs fine, but is there a performance gain to be had by phasing the distributor, what ever that is?

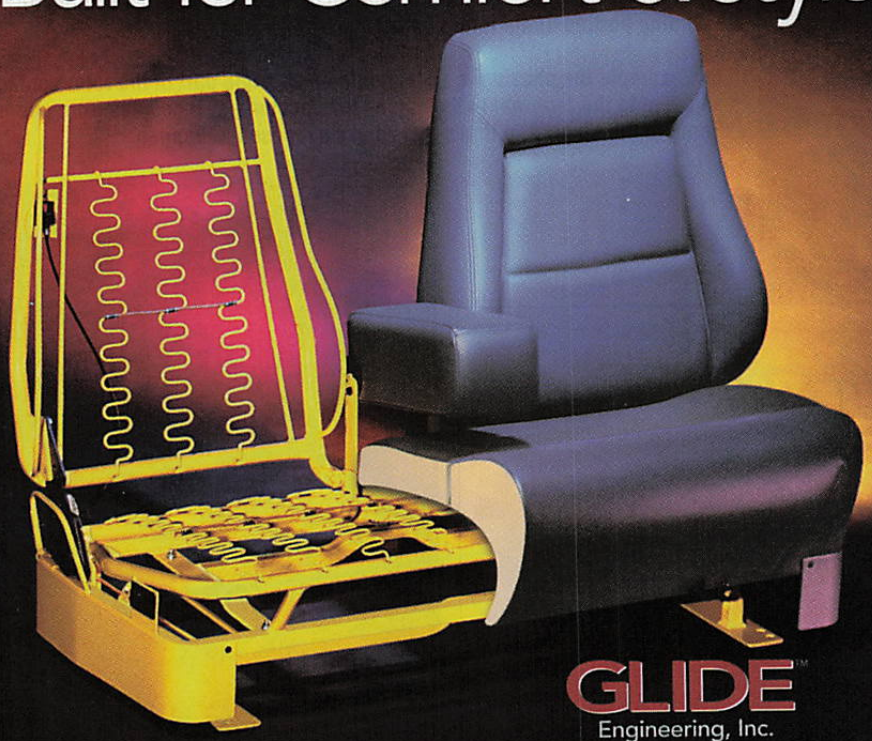
Ken O'Brien
Daytona, FL

A. *Oddly enough Ken, a 327 with three-twos and an original vacuum advance distributor with a Pertronix is the same combination I've run in my roadster for over 75,000 miles. It's never been phased either and it runs great.*

If your car performs like it should that's a good indication that all is well. In fact, with Pertronix conversions (call (800) 827-5955 or go to www.pertronix.com), phasing isn't often a problem. The pickup simply drops right in where the points were. With that said, lets get back to your question.

The easiest way to describe phasing is that it refers to the relative position of the rotor and the distributor cap contacts when the coil fires. In a non-vacuum advance distributor, that simply means the rotor has to be aligned with the contact in the cap when the coil is triggered. At one time, for performance applications, it was common to remove the vacuum advance and lock the breaker plate in position. Phasing the distributor was always part of that process.

Quality Seat Frames... Built for Comfort & Style.



GLIDE™
Engineering, Inc.

Ask The Pros. Glide Engineering.™ The world leader in street rod seat frame technology.

'28-'34 Coupe & Roadster, P/U-'47 | '35-'48 Split-Back | '55-'57 Chevy Split-Bench | '35-'48 Coupe & Sedan

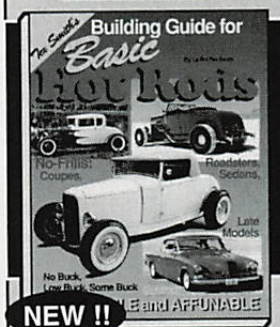
SS2 Sport Bucket Seat
& MORE!

Call for a Quote, Request a Brochure,
800.301.3334 / 909.944.9556
or Visit **www.glideeng.com**
Glide Engineering, Inc.
10662 Pullman Court
Rancho Cucamonga, CA 91730

45 years experience

Made in U.S.A.

Tex Smith's Real How-To Books!



- ★ How To Build Hot Rod Chassis
- ★ How To Do Electrical Systems
- ★ How To Chop Tops
- ★ How To Build Fiberglass Cars
- ★ How To Build Hot Rod Trucks
- ★ How To Draw Cars
- ★ Building Guide For Basic Hot Rods
- ★ Hot Rod History, Book-II
- ★ Roaring Roadsters
- ★ Roaring Roadsters-II
- ★ Camaro:Untold Secrets 1967-69

ENGINE MANUALS:

- ★ Ford Flathead V8 Engine Manual
- ★ Chrysler Hemi Engine Manual

Each Book...$19.95, US funds Add $3-ea. S&H, $6-ea. for Canada

Orders: 1-800-513-8133 / www.hotrodlibrary.com

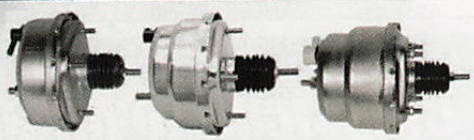
Check, Money Order, Visa, MC, Disc, Amex

Hot Rod Library, Inc 12 N. Main St., Veyo, UT 84782

DEALER ADVISORY
EXPLICIT PRICES

TIRED OF GOING THROUGH A MIDDLE MAN?

BRAKE BOOSTERS



zinc, chrome, & stainless steel

MASTER CYLINDERS

zinc, chrome, stainless steel, & aluminum

PROPORTIONING VALVES

brass, aluminum, & chrome

SPINDLES

stock height & 2" drop spindles

CELEBRATING 25 YEARS IN BUSINESS

MBM®

THE *POWER* IN POWER BRAKES

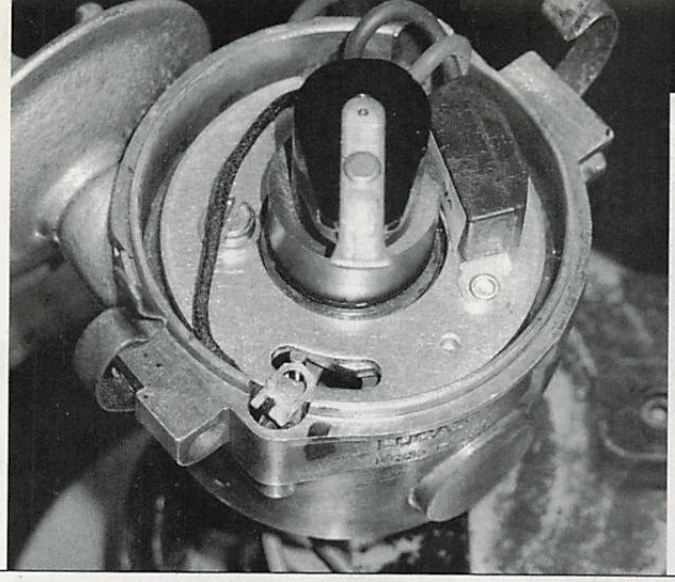
*Help us track our advertising. The first 200 Dealers who mention this AD receive a free print catalog!!!

SAVE MONEY BUY DIRECT

800.231.4125

WWW.MBMBRAKEBOOSTERS.COM

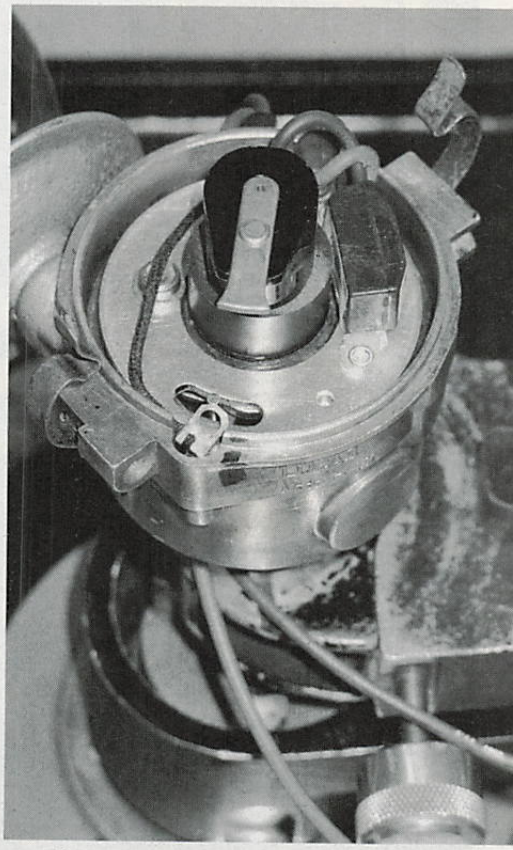
VISA MasterCard GM Restoration Parts SEMA SPECIALTY EQUIPMENT MARKET ASSOCIATION SRMA STREET ROD MARKETING ALLIANCE ARMO AUTOMOTIVE RESTORATION MARKET ORGANIZATION



(left) Note the relationship between the rotor and the mark on the distributor body. With vacuum off, the timing is retarded and the spark is coming off the trailing portion of the rotor (the rotor is turning counter-clockwise).

(below) Now compare the relationship of the rotor and the mark on the distributor. As full vacuum is applied, the spark occurs earlier; now it's coming off the leading portion of the rotor contact.

In this example the phasing is as it should be as some part of the rotor contact is adjacent to the terminal in the cap as the vacuum advance goes from one extreme to the other. And that's just what's supposed to happen.



Phasing a vacuum advance distributor is a little more complicated as the plate that mounts the points, or the electronic pickup, moves to advance or retard the timing. Moving that plate makes the coil fire earlier or later, but in either case, the rotor must be aligned with the contact in the cap. The way that is accomplished is with a wide contact on the rotor (as the photographs show).

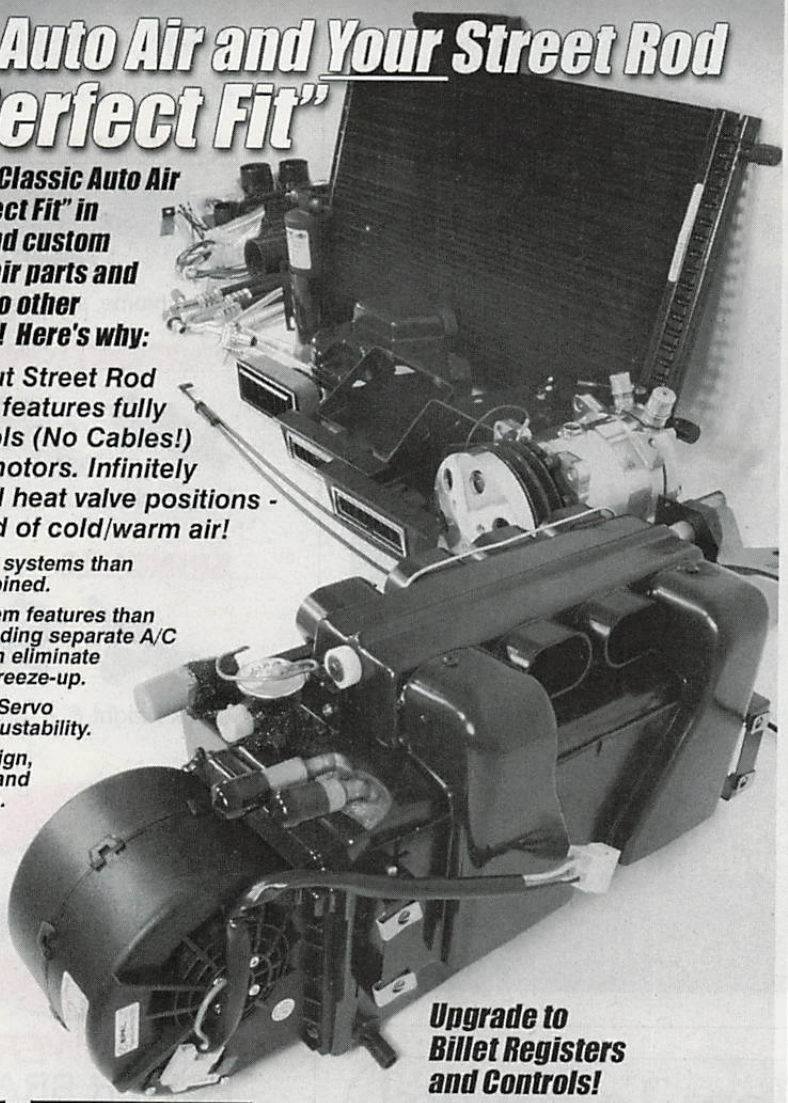
There are two ways to check phasing of a distributor. One is to drill a hole in the top of a distributor cap next to the number one contact and use a timing light to see when the spark occurs. A vacuum pump can then be used to advance and retard the timing to check phasing. A second method to check phasing is with a distributor machine, as shown here. SR

Classic Auto Air and Your Street Rod
The "Perfect Fit"

For over 27 years, Classic Auto Air has had the "Perfect Fit" in model-specific and custom systems, factory air parts and conversion kits. No other system compares! Here's why:

NEW! High Output Street Rod Cooler II System features fully electronic controls (No Cables!) and servo door motors. Infinitely variable door and heat valve positions - The perfect blend of cold/warm air!

- *More model-specific systems than all competitors combined.*
- *More exclusive system features than any competitor, including separate A/C and Heat coils, which eliminate busted coils due to freeze-up.*
- *First with Electronic Servo Drives for infinite adjustability.*
- *First to use CAD design, for superior air flow and the best fit and finish.*
- *High Output Spal Blower for best output.*
- *No Rust, High-Temp Nylon Door Assembly.*
- *Totally Serviceable - Not a "Throw-Away" Glued Case.*



Upgrade to Billet Registers and Controls!

Classic Auto Air has a complete line of Billet Registers and controls to personalize your Street Rod or Custom project!

Check it all out online at CAA's new website: ClassicAutoAir.com

Factory Air 134a Compressor Conversion Kit

Less HP, better fuel economy and smoother performance. Compact, clean and attractive. 6,000 rpm continuous duty rating. All brackets and original style hoses for a "Perfect fit."

For decades, uncompromised quality, component selection and attention to detail has kept Classic Auto Air the leader in factory or aftermarket parts and complete systems for all 1970s and older Ford, GM and Chrysler cars or trucks.

CLASSIC AUTO AIR
MANUFACTURING COMPANY

813/251-2356 • 813/251-4994 • www.ClassicAutoAir.com

Fax: 813/254-7419 • 2020 W. Kennedy Boulevard, Dept. SR, Tampa, FL 33606

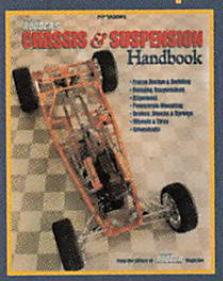
STREET RODDER

SHOP HERE FOR SERIOUS FUN

>>>Go To: www.PerformanceWebStore.com

>>>BOOKS – CHOOSE FROM DOZENS OF TITLES!

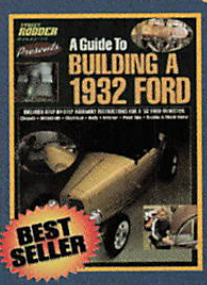
Chassis & Suspension Handbook



The experts at Street Rodder have compiled a comprehensive handbook on one of the most critical areas of street rodding – the Chassis. This book will help you properly design and build your chassis, hang your suspension and avoid costly mistakes.

#SRCSBK $17.95

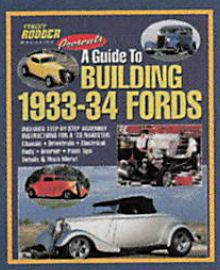
Guide to Building a 1932 Ford



This Guide to Building a 1932 Ford includes step-by-step assembly instructions for a '32 Ford Roadster, Chassis, Drivetrain, Electrical, Body, Interior, Paint Tips and much more! Hundreds of photographs, tips, and information to help the first time and old time street rodders alike.

#SR1832FN $19.95

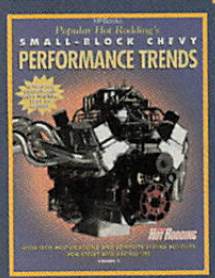
Guide to Building 1933-34 Fords



Street Rodder Magazine's Assembly Guide to building a 1933-34 Ford is a must for anyone who is considering building a 1933-34 Ford street car. Reduce assembly time and eliminate expensive mistakes with this comprehensive, step-by-step assembly guide.

#SRBK $19.95

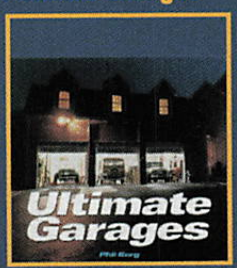
Small-Block Chevy Performance Trends



Learn how to build a high-performance, small block Chevy to fit any budget. From mild to wild, driveway to dragstrip, this book guides you on how to turn your mouse motor into a thoroughbred. Most information can be applied to all Chevy models.

#PHRSBBK $19.95

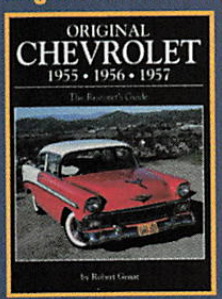
Ultimate Garages



The garage is more than just a place to store cars. This book is about our fascination with the garage and looks at 24 of the most incredible garages in the US including those of Bob Lutz, Brock Yates, Jay Leno and others. By Phil Berg. Hardcover. 224 pages.

#136269 $34.95

Original Chevrolet 1955-1957

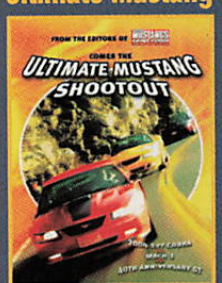


This book focuses on all the details restorers and enthusiasts want to know. 250 color photographs . A large appendix includes production numbers, component ID codes, and interior trim charts. Hardcover; 128 pages.

#136250 $34.95

>>>DVDs

Ultimate Mustang Shootout



The wildest Mustang road test ever! thrill to 55 minutes of tire-shredding, power-sliding fun as Muscle Mustang editors compare the 2004 SVT Cobra to the 310-horsepower Mach 1 and the 260-horsepower 40th anniversary GT.

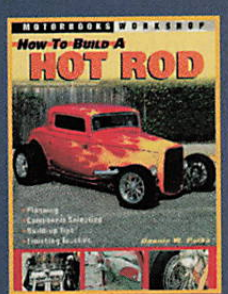
#MMDVD1 (DVD) $14.95
#MMDVHS2 (VHS) $12.95

"Great Cars" DVDs

As seen on PBS, each of the 17 DVDs profiles a legendary automobile and its impact on the world. This popular series looks at the world's fastest, most exciting and unusual automobiles – along with the people who loved and made them. Is there a "Great Cars" DVD for your car?

$19.95

How to Build a Hot Rod



Ever wonder, "How do I build one of those?". This book covers every aspect of building a hot rod from start to finish. Lots of no-nonsense advice for any degree of builder. Softcover; 160 pages.

#135773 $19.95

ORDER YOURS TODAY! www.PerformanceWebStore.com 866-601-5199

>>>& MORE!

Back Issues & Slipcases

Get your back issues while they're still available! Keep them handy and organized, off the floor and out of the corner with these decorative storage cases. Back issues sold separately.

#SRSC1 $14.95

1967 Camaro Collectible

Take a look under the hood. From the diecast metal body, rubber tires and fully wired engine to the tilt-forward bucket seats this 1/18th scale Camaro is a meticulously detailed all-tiime classic. Limited edition.

#WCC222 $89.95

Workbench

Tough, functional and great looking, too! Finished in Hot Red and Silver Pearl. Truck-tough poly coat work surface. Routed surface edge. Pegboard work light, power strip with three outlets and phone jack. Adjustable levelers. Width: 59.1/2" Depth: 26 1/4" Height: 61 3/4".

SKU#: 902-735 $399.99

PROFESSOR HAMMER'S METALWORKING TIPS

BY RON COVELL | covell@cruzio.com

Q. I'm looking for some advice on a sheetmetal repair on my 1947 Ford. Your articles in *STREET RODDER* have always been very informative—hope you can help me out.

My car has some previous damage to the driver-side cowl area, where the rear edge of the front fender bolts up and the rear edge of the hood aligns. (See attached photo with damaged area highlighted.) The damaged area has a complex shape—it is crowned in perpendicular directions and has a press-formed indentation so that the fender can bolt up flush. The previous owner apparently used a hammer and dolly to roughly get the sheetmetal back to its original shape (more hammer than dolly).

I can smooth the outside of the area for paint with a thin coat of plastic filler, but as a result of the hammering, the sheetmetal is pretty thin. It has three to four pinholes from rust, and there is a tear in the sheetmetal about 1inch long. The metal was blasted clean of rust and is now in DP40 awaiting repair.

I know the ideal fix would be to weld in a replacement panel. But a patch panel cannot be located, and the shape of the area would make it very difficult for me to form my own metal patch. Are there any other less-than-ideal solutions?

I'm considering:

1. Leading the area from the inside to fill the pinholes/metal tear, and provide some additional structural strength (although I've not tried leading yet).

2. Using epoxy resin and fiberglass mat to the backside of the area to fill the pinholes/metal tear, and provide some additional structural support.

3. MIG-welding a couple reinforcement pieces of sheetmetal to the backside of the area, then from the outside, MIG-welding the pinholes and tear closed.

4. OR, trying to form three to four separate sheetmetal-patch pieces to the various shapes of the area, cutting out the damage, and then trying to MIG-weld the multiple patch panels together and in place to duplicate the original shape (I've welded patch panels before—not sure how successful this approach would be though.)

Of the four options listed, do you have any suggestions, cautions, or recommendations? Is there another repair option that I'm missing? Hope you can help.

Craig Westby
Grants Pass, OR

A previous owner mangled the cowl of this 1947 Ford—let's look at some different approaches to repairing the damage.

A. *I must say, you have come up with several imaginative solutions to solve your problem. I don't want to "rain on your parade," but there are some downsides to several of the approaches you've listed. I'm only bringing these up so you and our readers can learn a bit more about some of the problems that are associated with metalworking. I'll address each idea you mentioned:*

1. Leaded repairs can be very good, when properly done. It is not good practice to lead over holes or cracks, since the lead needs a strong backing. You could tap down the highest spots, weld up the holes and crack, then lead over the area and file it smooth. It's really not feasible to lead the inside, since you need REALLY good access, and the contours of your cowl panel would hamper the use of a lead paddle on the inside.

2. I can't recommend using fiberglass as a repair material for a steel panel. Most fiberglass work is done with a polyester resin, and this just doesn't form a strong enough bond with the steel to withstand the different expansion rates between the resin and the metal. Epoxy resin is much better, but I still wouldn't recommend taking this approach, since an all-metal repair is so straightforward.

RELICS & RODS 28th ANNUAL
RUN TO THE SUN
Lake Havasu City, Arizona

OCTOBER 19 - 23, 2005

(Open to 1959 and Older Cars and Trucks)

ENGINE RAFFLE

Great Door Prizes

Entertainment By
PAPA DOO RUN RUN BAND

KACHINA DOLLS
FOR THE FIRST 100 ENTRANTS.

WEDNESDAY
Registration Opens 9:00 AM

WEDNESDAY NIGHT
Catered Kickoff Party

THURSDAY
Poker Run to
BlueWater Resort & Casino

THURSDAY NIGHT
HUGE Uptown Cruise

FRIDAY
Show & Shine
Games & Super Give-Aways
Lots of Automotive Vendors

FRIDAY NIGHT
Papa Doo Run Run

SATURDAY
Show & Shine
Games & Super Give-Aways
Lots of Automotive Vendors
AWARDS Presentation

SATURDAY NIGHT
Banquet Dinner

SUNDAY
Parade Down McCulloch Blvd.

ENTRY INCLUDES:
T-Shirt
Mug
Beverage Tickets
Dash Plaque
Banquet Tickets
Fashion Show
Kickoff Party

For Entry Contact:
Relics & Rods:
P.O. Box 1516
Lake Havasu City, AZ 86405
(928) 855-0933
www.relicsandrods.com

SPONSORS

BRADLEY CHEVROLET FORD

Nautical Inn .com
Resort & Conference Center
Lake Havasu City, Arizona

Bud

BUD LIGHT

NATURAL TEASE SPORTSWEAR Inc.

BLUEWATER RESORT & CASINO

SUNSTATE Equipment Co. 1-888-456-4560

KWIKLIFT

TIRED OF DRIVING UP ON 2x4's? TIRED OF JACKSTANDS?
TIRED OF SMALL RAMPS SLIDING ACROSS THE FLOOR?

YOU KNOW YOU NEED A KWIKLIFT!

www.Kwiklift.com **1-800-961-LIFT**

Starting At **$999*** *Plus Shipping and Handling

International Calls: 918-258-8492

3. The primary problem with this approach is that you will be creating a lot of voids between the reinforcement piece and the original metal, since it will be virtually impossible to make the reinforcement take on the exact contours of the damaged original panel. The biggest problem is that you are likely to have the biggest voids where the original metal is thinnest, so you aren't really getting much benefit from the reinforcement where you need it most. I'd much prefer to keep everything the same thickness, and I don't generally weld reinforcements behind any metal that is seen from the outside of the car. All too often when the car is parked in the hot sun, you can see where reinforcements have been welded into place. This is because, as the heat causes the metal to expand, the reinforcements resist the expansion to some degree, sometimes causing subtle waves to appear in the panel.

4. This approach is the best of the bunch! You will end up with sound metal, and everything will be the same thickness. The better your ability to shape metal with handtools, the fewer number of pieces you can use to duplicate the shapes you need. If you have a shrinker and stretcher to work with, you could easily make the patch piece from a single piece of metal, greatly reducing the amount of welding needed, which will reward you with less warping, and less time spent straightening the panel after welding. Another approach would be to make a hammerform to shape the patch over. One easy way to do this is to cast a fiberglass (or bondo) form against the inside of the panel (be sure to use a mold-release agent). When the form has cured, sand it smooth (I can see how bumpy the metal is now, and of course you want to get those bumps out), clamp a piece of metal over it, and hammer the metal tightly against the form. Once the metal is shaped, you can cut out the damaged area of you cowl, scribe and trim the patch piece to fit, and butt-weld it into place. Once welded, you can hammer and dolly the weld to work out any distortion, and either metal-finish the area, or use a little plastic filler if necessary.

Now you can e-mail your questions to Professor Hammer at covell@cruzio.com, or mail to Professor Hammer c/o STREET RODDER magazine, 774 Placentia Ave., Placentia, CA 92870. We'll print your name and city unless you request otherwise. Ron Covell has made several metalworking videos, and offers an ongoing series of workshops across the nation covering all aspects of metalworking. Check them out online at www.covell.biz, or call for a current schedule of workshops, or for their free catalog of videos, books, and fine-quality metalworking tools. Call (800) 747-4631, or (831) 768-0705. You can send a request by mail to: Covell Creative Metalworking, 106 Airport Blvd. #105, Freedom, CA 95019. SR

Now you can e-mail your questions to Professor Hammer at covell@cruzio.com or write to Professor Hammer c/o *STREET RODDER* magazine, 774 S.Placentia Ave., Placentia, CA 92870. We'll print your name and city unless you request otherwise. Ron Covell has made several metalworking videos and offers an ongoing series of workshops across the nation covering all aspects of metalworking. Check them out online at www.covell.biz, or call for a current schedule of workshops, or for their free catalog of videos, books and fine-quality metalworking tools. Call (800) 747-4631 or (831) 768-0705. You can send a request by mail to: Covell Creative Metalworking, 106 Airport Blvd., #105, Freedom, CA 95019.

Pro's 1st Pick™
ENGINEERED COMPONENTS

THE BEST PICKUP BED YOU CAN BUY ALSO HAS THE BEST COVER!

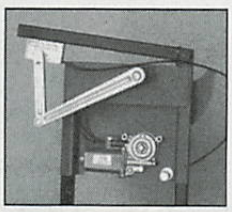
THE PRO'S PICK CUSTOM PICKUP BED
BEDS From Only $899
• Plug welded 16 ga. satin coat steel (NO spot welds to fix!)
• Epoxy primed ready to block sand and paint!
• ALL cross-members and closed stake pockets are included!

THE "HARDTOP" BED COVER!
• 100% aluminum and stainless RUST-FREE construction!
• Rigid structure with built-in rain gutters, hidden drains.
• Highest quality dust and rain-proof weatherstripping!
• Remote controlled electric operation
• Now available for 1930 to 2002 Chevs and Fords!
From $1599.00

"WOW STRIPS" THE ORIGINAL BOLTLESS BED STRIPS!
• No carriage bolts to spoil the clean look or collect dirt!
• Sliding "T-bolt" fasteners are hidden under strips
• Brilliant Mirror finish stainless steel
• One part number fits all models
THE ORIGINALS
Only $225.00
Plus Hardware

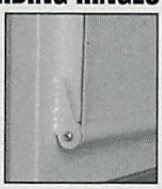
BED ROLL "HOT LITEZ"
Bed roll "Hot Litez" provide brilliant illumination for tail, signal and brakes, while hiding the hole in the bed roll.
$74.99 pair

"HIDDEN LATCHES" FOR STOCK & CUSTOM TAILGATES!
Stock tailgates look great but the tailgate chains ruin your paint! It's Pro's Pick to the rescue!
• Hidden stainless hardware
• Spring loaded nylon catches
• Woven nylon check straps
• Super EASY installation!
TRICK ITEM
Only $165.00



TRUNK LIFT UNITS!
Two styles of electric trunk lifts available to suit every need, even Pro Street cars.
From $319.00

HIDING HINGES
Toss out those old stamped hinges. Designed to work with stock tailgates, these hinges are nearly invisible.
$64.99 pair

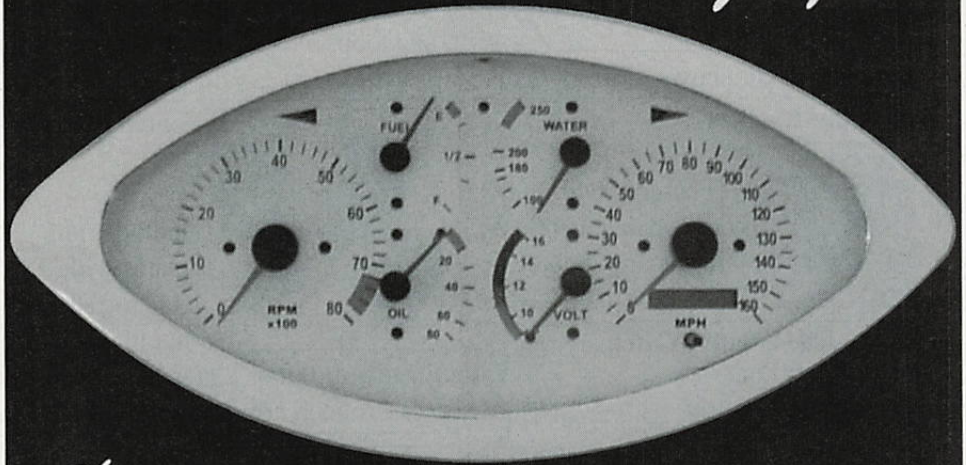


• POWER WINDOW KITS
• WIRING KITS • FUSE PANELS
WIREFORCE™
• THE ORIGINAL LITE'N BOLTZ!
• MULTI-FUNCTION REMOTES

Call Toll Free Today!
1-888-701-4448
VISA MasterCard
For more trick products be sure to visit our website! www.pros-pick.com

CUSTOM ROD GAUGES

"The World's Best Custom Gauges"



The Hi-Boy

Custom Billet Bezel
Self Calibrating
All Senders Included

$965.00
Actual Size
11.5" X 5.5"

8839 N. CEDAR AVE
FRESNO, CA 93720

Proudly made in the U.S.A

559-277-3560
FAX - 277-3561

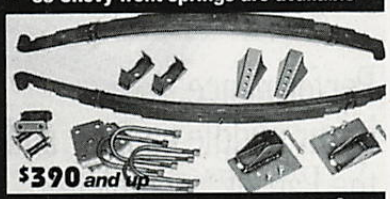
www.customrodgauges.com

CHEVY Super Slide Springs

Tri-5 Chevy
$265 *and up*
others up to
$375

'33-57 Rear Springs

- POSIES Super Slide Springs are computer designed and manufactured to ride ***2.5" lower than stock with stock load capacity.*** This is not a re-arched stock spring!
- Moly-nylon inserts give a ***smoother ride***
- Our springs are ***designed to work with the stock spring perches. You don't need a rear suspension kit for '33-34 and '38-57 Chevys.***
- We relocate the spring centering pin on certain applications so the axle/wheel is centered in the fender well opening on those Chevys that were off center from the factory.
- **'33 Chevy front springs are available**



$390 *and up*

'36-48 Chevy Rear Kits

- Super Slide Springs and brackets make it easier to mount a late model rear axle.

$330

NEW! '48-59 Chevy Truck DUAL-FLEX Springs

- Combine the ride quality of a multi-leaf spring with half the pack thickness. POSIES dual mono leaves use computer generated parabolic taper profiles and Super Slide moly-nylon inserts for a smoother ride with double the safety factor of a single mono leaf. Front springs only. Rears coming soon!

Online catalog or send $4 for our ***latest 80 page Super Slide Springs and Hot Rod Parts Catalog*** and get a $5 rebate towards your next purchase.

call **717-566-3340**
Open Saturdays by appointment

219 NORTH DUKE ST., HUMMELSTOWN, PA 17036

louvers while you wait...top chops almost as fast!

POSIES

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

www.posiesrodsandcustoms.com

FREE COLOR CATALOG

EAGLE EQUIPMENT

Look for our products on these TV shows—
HOT ROD TRUCKS! MOTOR POWER

THE PRICE YOU SEE – IS ALL YOU PAY!

1,000 LB. CAPACITY LIFTS

GENERAL Motorcycle Lift NEW LIFT
$749
Free Shipping
All steel construction with heavy duty foot operated air pump and ram

Shown with optional wheel vice

ALSO AVAILABLE
ADMIRAL Air Motorcycle Lift with rear wheel cutout
$799 NEW LIFT
Free Shipping

6,000 LB. CAPACITY

Portable Mid-Rise Lifts
PMR-6000-48
$1795
Free Shipping
PMR-6000-36
$1545
Free Shipping

• Lifts up to 48"
Wheel kit for portability comes standard

Eagle Tire Service Equipment

ETC-530 TIRE CHANGER
$1695
Free Shipping

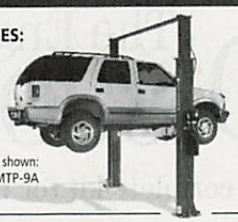
SAVE EVEN MORE ON A COMBO PACKAGE– BUY BOTH FOR ONLY– $2,989.00 SAVE–$201.00

EB-1030 WHEEL BALANCER
$1495
Free Shipping

Shown with optional hood

EAGLE'S MECHANIX™ SERIES:
Asymmetric Two-Post Lift
9,000 LB. CAPACITY

A WIDE SELECTION OF 2-POST LIFTS AVAILABLE



Model shown: MTP-9A

TWO-POST LIFTS STARTING AT
$2595
Free Shipping
NOW ONLY
$2295
Free Shipping!

EAGLE'S MECHANIX™ SERIES: MS-7000
Storage/Service Lift

Model shown: MS-7000

MS-7000
$2595
Free Shipping
Special
$2495
Free Shipping!

MS-7000XLT
EXTRA TRACK LENGTH
EXTRA CLEARANCE
$2795
Free Shipping

- 7,000 lb. lifting capacity
- Carriages completely enclosed for safety
- Many options available
- Portable capabilities
- Powder-coated paint finish
- Large 3" diameter cylinder is located safely under runway

ALSO AVAILABLE **– 14,000 LB. FOUR-POST LIFTS –** ***Great Pricing!***

VISIT OUR WEBSITE

WWW.EAGLEEQUIP.COM

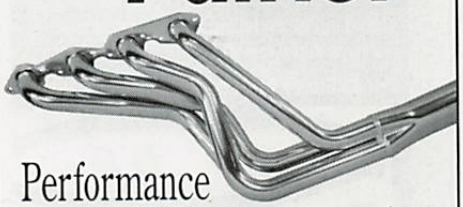
THE LARGEST FACTORY-DIRECT MARKETER OF AUTOMOTIVE LIFTS

800-451-3027

EAGLE EQUIPMENT

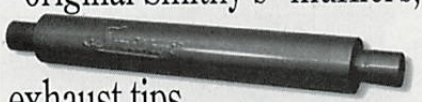
KEY CODE: SR1005

from Patriot™



Performance is our middle name... and the Patriot™ complete line of street rod and muscle car exhaust products includes

headers, side pipes, the original Smithy's® mufflers,



exhaust tips, DIY components, and more!

See them at our web site: www.pertronix.com or phone for our catalog:
800-827-3758 or 909-599-5955 Ext.57

PATRIOT™

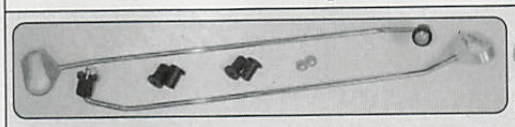
A PerTronix Performance Brand

QUALITY PRODUCTS FOR OVER 30 YEARS

Ignitor • Flame-Thrower Coils, Plug Wires, Distributors & Second Strike • Patriot Exhaust Products • Smithy's Mufflers • Doug's Headers

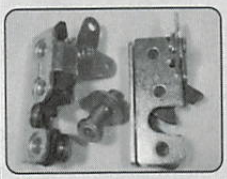
"Sack-see" SACHSE Rod Shop

*Toll **FREE** Order Line: 1-800-495-3904*
Information Line: 1-972-495-1557
Web: www.sachserodshop.com
Most All Major Credit Cards Accepted!
3904 Miles Road / Sachse, TX. 75048



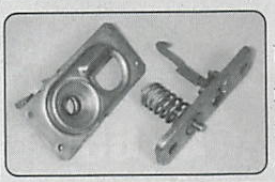
Carolina Custom **Door Props**
Latches into bear-claw latch and loops over striker to allow door to stand open at car shows. Fits all bear-claw latches. ..... $49.95pr.

Bear-Claw Latches



Features two independent release arms and includes strikers. .... $44.95pr.

Hood Latch W/Safety Catch

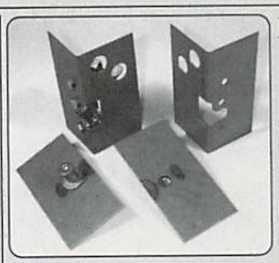


Universal cable release latch with integrated safety catch. $64.95

StreetWorks

Trunk Latch

Built-in safety feature requiring cable tension for latch to catch. $49.95



Latch Plates

Includes jam plates with floating striker nut for final adjustment. Door plates have access holes for latch arm access. ..... $44.95pr.

Trunk Latches

Universal latches offered with mounting tabs on side or bottom of latch.
Tabs on side (Pictured Left) $26.95
Tabs on bottom (Pictured Right) ... $24.95

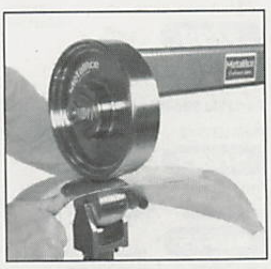
Prices Subject To Change Without Notice. Some Items May Not Be Legal For Use In All States.

Introducing All New!

The English Wheel™
Discovery Kit™

A complete kit for beginning wheeling enthusiasts

Leave it to the nation's leading English wheeling line, MetalAce™, to bring you the *first* complete start-up wheeling kit.



Includes *everything you need*, including our most popular English Wheel, the 22B with an upper wheel, three anvil wheels, a beater bag and an instructional video.

Contact us or one of our exclusive distributors listed below to order your Discovery Kit today.

Aircraft Spruce • Big Tool Store • Covell • Gulley Performance Center
Irvan Smith, Inc. • MotorSport Tools • Tip Plus Corp., dba TP Tools

MetalAce™
ENGLISH WHEELS
Craftsmen know.

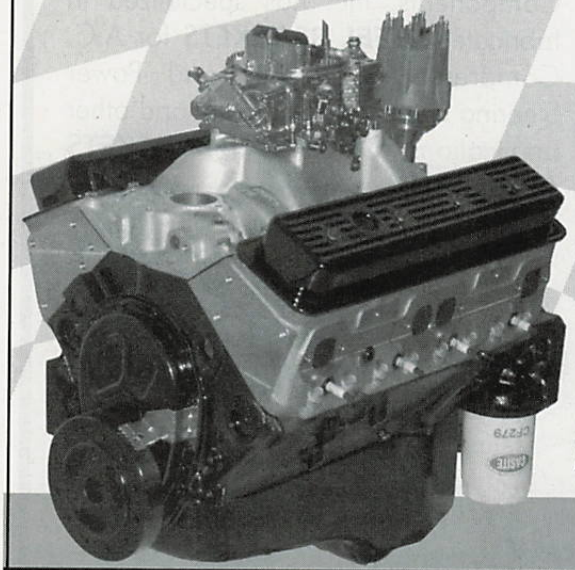
Made in the USA
© MetalAce 2005

Contact us at 1-800-828-2043 • Available online at www.englishwheels.net

Crate Motors That Rock!

ITEM DESCRIPTION	PRICE	FUEL
325 hp 350 crate engine	$3199	87 Octane
390 hp 350 crate engine w/vortec heads	$3799	87 Octane
420 hp 350 crate engine w/aluminum E-Tec heads	$4299	92 Octane
420 hp 383 crate engine w/vortec heads	$4499	92 Octane
460 hp 383 crate engine w/aluminum E-Tec heads	$4999	92 Octane

Every engine is dyno-tuned before we ship it to you.



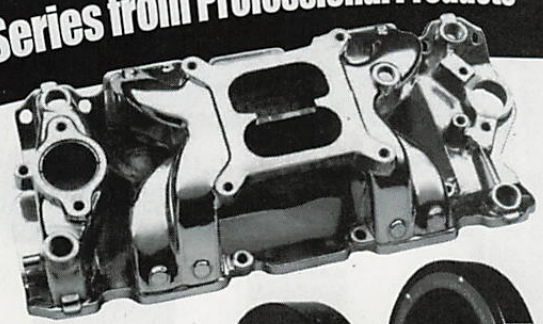
Each engine comes with: new GM 4 bolt main block, Eagle crankshaft, Eagle SIR connecting rods, Comp Cams cam & lifters, cylinder heads as listed, Edelbrock intake manifold, HEI or MSD distributor, Holley carb, the actual dyno sheets for each individual engine, and a 2 Year Unlimited Mileage Warranty.

COMP CAMS · Edelbrock · ARP · Holley · MSD IGNITION · SPEED-PRO · FEL-PRO · PERFORMANCE PARTS · EAGLE

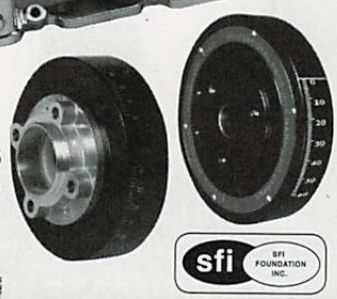
www.masperformance.com
W6337 US Highway 10, Ellsworth, WI 54011
877-261-7430 VISA MasterCard

MAS performance *Racing Engines*

Performance • Value • Quality
The Power Series from Professional Products



POWER+PLUS® Manifolds
48 Manifolds in Polished or Satin for Street and Racing



PowerForce & PowerForce+Plus Harmonic Dampers
43 Dampers for Street and Racing

sfi SFI FOUNDATION INC.

POWERFLOW™ Fuel Filters
45 Fuel system components for a wide range of applications

Send $2.00 for our full line 2005 28-page Catalog

Professional Products®

See our entire line of intake manifolds, harmonic dampers, gauges and fuel system components at www.professional-products.com
Ask for our products at high performance retailers near you – our prices will make you glad you did.
Professional Products • 12705 South Van Ness Avenue • Hawthorne, CA 90250

Lambert Enterprises

Phone: 865.494.9850
Fax: 865.494.2453
Specializing
in LED Brake and Tail Lights
MADE IN NORRIS TN USA

Conversion Kits contain all required hardware and brackets to mount the LED system in YOUR housings. Kits available for Street Rods, Pick-ups, Customs, and Motorcycles

Awarded Best New Saftey Product 1996 LED Tail Light Conversion Units

Flush Mounting LED Taillights & Turn Signals. Many sizes, lengths, & styles available.

NEW **LE-R16** 1 1/8" Diameter

LE-100

NEW **LE-R24** 2 3/8" Diameter

NEW **LE-OVL6** 2 1/4 x 6" OVAL lens

LE-812

LE-200

LE-408 1 x 3" lens

LE-412 1 x 4" lens

NEW **LE-424 1" x 8" lens**

LE-301 1/4 x 5 3/4" lens

LE-300A12 1/2 x 2 1/2" lens

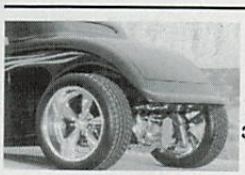
LE-112 1/4 x 3" lens

LE-300 1/2 x 5 3/4" lens

NEW **LE-FTS-6** 1/4" x 1 3/4" lens

NEW **LE-612-TL** With 1/4" x 7 1/2" lenses

ALL LED cards have both brake & taillight functions.

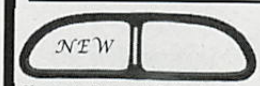


LE-300-34" Flush Mounted Taillight Shown on '33 Ford Specially designed lenses for 32, 33-34, 37 Ford, 40-41 Willys. MANY lengths and widths available.

Fiberglass housings available for all flush mounting systems, from $39.95 pair.

LE-BTL Taillights, Stainless Housings, Aluminum Bezels or LE-FTL Flush mounting lenses (great for installation in bumpers).

Custom CNC machined flush mounting lenses are available as a option with LED card order. Priced depending on size an complexity.



NEW **LE-SW3rd Split Window flush mounted 3rd brake light. $74.95**

Shown in Downs' 37 Ford window

Flush Mounting Third Brake Lights, Lens sizes 1/4" x 5 3/4", 1/4" x 7 1/2", 1/2" x 5 3/4", 1/2" x 11 1/2", & 3/4" x 17" some with turn signals. Other lengths and sizes available.

Pedistal 3rd Brake Light $85.00.

led.info@lambertenterprises.com
www.lambertenterprises.com
OR www.ledtaillights.com

39 East Norris Road - Norris TN 37828-0367

VISA · MasterCard · DISCOVER

Prices subject to change. All prices + S/H

ENGINEERING
TOMORROWS
CLUTCHES
TODAY

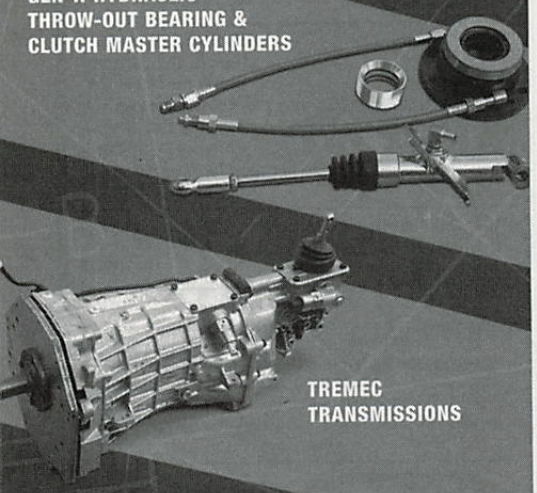
Modular
Bell Housing

SFI BELL HOUSINGS

The McLeod Modular Bell housing has been engineered to allow almost every performance transmission to be bolted to your existing engine by simply swapping out one to three parts.

- MODULAR BELL HOUSINGS CAN ADAPT TO NEARLY ALL TRANSMISSIONS
- LITTLE TO NO RUN-OUT
- STANDARD SFI BELL HOUSINGS ARE ALSO AVAILABLE

GEN-II HYDRAULIC
THROW-OUT BEARING &
CLUTCH MASTER CYLINDERS



TREMEC
TRANSMISSIONS

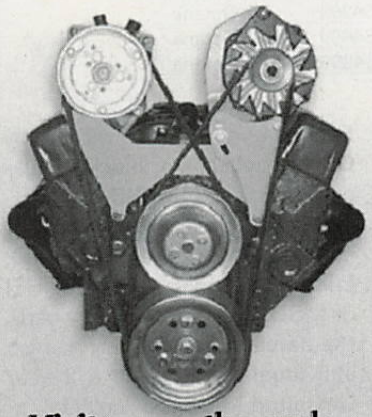
McLeod

McLeod Industries

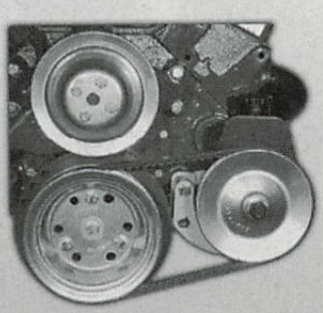
Office: 714-630-2764 **Tech:** 714-630-3668
1600 Sierra Madre Circle, Placentia, CA 92870
www.mcleodind.com
Tech. Hours: Mon.-Fri. 10:00 am to 12:00 pm
1:00 pm to 3:00 pm *Pacific Time*

ALAN GROVE COMPONENTS, INC.

ARE YOUR PROBLEMS MOUNTING ?



For more than 20 years Alan Grove Components, Inc. has specialized in fabricated ***STEEL BRACKETS*** for A.C. Compressor, Alternator and Power Steering Pumps for Chevrolet and other applications. **OVER 100 BRACKETS AVAILABLE.**



- Visit us on the web
- Contact your favorite Dealer
- Give us a call

ALAN GROVE COMPONENTS, INC.

27070 METCALF ROAD
LOUISBURG, KS 66053

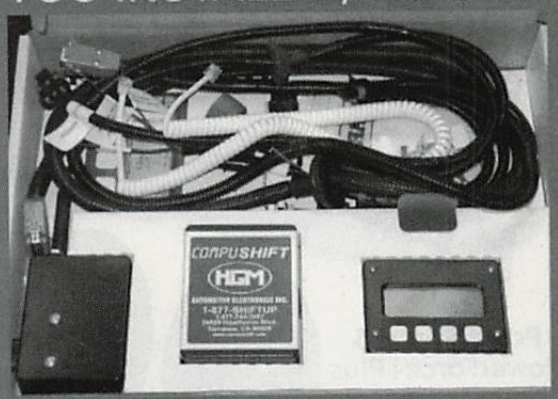
FREE CATALOGS

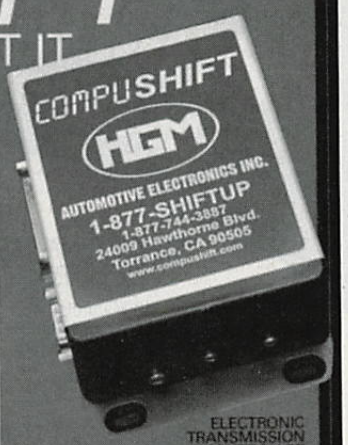
VISA MasterCard

PHONE: 913-837-4368
FAX: 913-837-5721

www.alangrovecomponents.com

COMPUSHIFT
YOU INSTALL IT, WE SHIFT IT





ELECTRONIC
TRANSMISSION
CONTROLLER

ALLOWS INSTALLATION IN STREET RODS, TRUCKS AND MOTOR HOMES

THE ULTIMATE STAND ALONE
ELECTRONIC TRANSMISSION CONTROLLER
fits 4L80E, 4L60E, 4R70W and E40D
No programming needed!
Shift points and pressure adjustable, self calibrating TPS

OPTIONAL
LIQUID CRYSTAL
DISPLAY SHOWN

For more information visit us on the web at www.compushift.com
FOR A DEALER IN YOUR AREA CALL TOLL FREE 877/744-3887
HGM Automotive Electronics, Inc.

Ask About FINANCING!

Is there a HOT ROD in YOUR heritage?

'37 Convertible Coupe $18,995

Willys Roadster $17,950

9" narrowed rear end, Morrison Mandrell bent rails, tubular center section **Coupe $17,450**

Rolling Assemblies!

'35-36 Cabriolet $18,400

Independent front suspension, 9" Ford rear

Roadster $17,400

'33 3 Window Coupe $13,690

Power window regulators & glass installed, massive steel infrastructure, rolling chassis

www.HeritageHotRods.com

HERITAGE HOT RODS

(815) 933-7373 Order/Tech Line (815) 933-5777 Fax

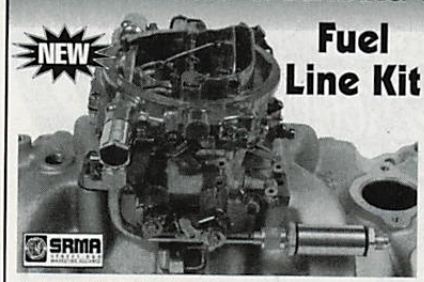
1390 Panozzo Road, Kankakee, IL 60901

Visitation by appointment

FUEL LINE KITS & BENDING TOOLS PURE CHOICE IS THE SOURCE!

NEW

Fuel Line Kit



Fuel Line Kit For Edelbrock/Carter Carburetor (Electric Or Manual Choke) On Edelbrock Performer Manifold. Comes Complete With Banjo, Bent 3/8" Stainless Steel Tubing and Fuel Filter with 100 Micron S/S Cleanable Element. -6 AN or 3/8" Hose Barb. Available In Satin Finish Only.

Electric **$74.95** Manual **$84.95**

Ford Fuel Fittings

Designed to connect 6-AN to OEM Ford Fuel Rails. Made from 6061-T6 aluminum. Plugs into stock rail utilizing the spring lock factory style coupling with garter spring inside a circular cage. Available for pressure and return lines.

Fuel Fittings, **$59.95**Pr.

Shown With Shrader Valve Fitting

Flare & Tube Bender Tools

With these you won't have to take your line kits elsewhere for bending & flaring. The perfect product for the serious car enthusiast.

Starting At, **$55.00**

Prices Subject To Change Without Notice.

PURE Choice MOTORSPORTS

Order Line Only (Toll Free) ***(888) 505-8355***

Orders, Tech & Fax Line: ***(928) 505-8355***

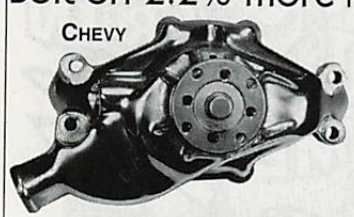
2155 W. Acoma Blvd. Lake Havasu City, AZ 86403

**Plus Shipping & Handling / AZ Res. Add Current Sales Tax / Made In U.S.A.*

FLOWKOOLER™ WATER PUMPS

Bolt on 2.2% more HP **and** drop water temp up to 30°F

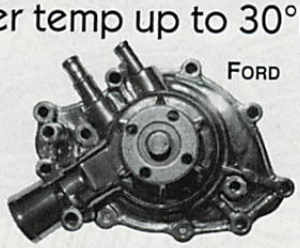
CHEVY



Exclusive Patent #6,685,424 MIRAKOOL® Impeller

FLOWKOOLER®

FORD



SAY GOODBYE TO ENGINE OVERHEATING!

UNIVERSITY, OEM, DYNO, CONSUMER tests prove FLOWKOOLER can give you:

- 2.2% more HP and TORQUE
- 100% more water FLOW at idle
- 9% oil temperature DROP at 3400 RPM
- 22% more WATER PRESSURE
- 2% engine efficiency INCREASE
- 30°F temperature drop POSSIBLE
- ELIMINATE/REDUCE 'pinging'
- SECURITY against overheating

PUMPS FOR HUNDREDS OF APPLICATIONS, INCLUDING:

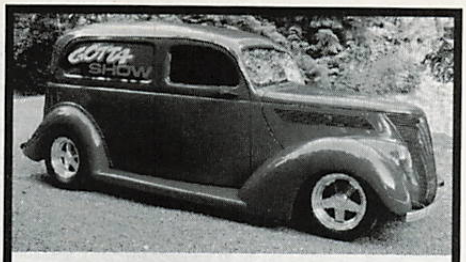
• AMC	• Chevrolet	• Corvette	• Dodge Truck	• GMC Truck	• Lincoln	• Plymouth
• Buick	• Chevy Truck	• DeSoto	• Ford	• Hummer	• Mercury	• Plymouth Truck
• Cadillac	• Chrysler	• Dodge	• Ford Truck	• Jeep	• Oldsmobile	• Pontiac

ALL PUMPS NOW AVAILABLE FROM SUMMIT RACING **1-800-230-3030**

From idle to 3300 RPM, **nothing** beats a **FLOWKOOLER!**

ORDER ON-LINE AT **WWW.FLOWKOOLER.COM**

OR CONTACT US DIRECTLY AT **805-544-8841 • FAX 805-544-5615**

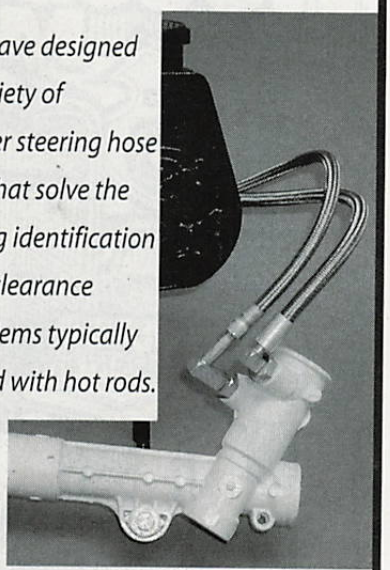


GOTTA SHOW®

Hot Rod

Power Steering Hose Kits

We have designed a variety of power steering hose kits that solve the fitting identification and clearance problems typically found with hot rods.



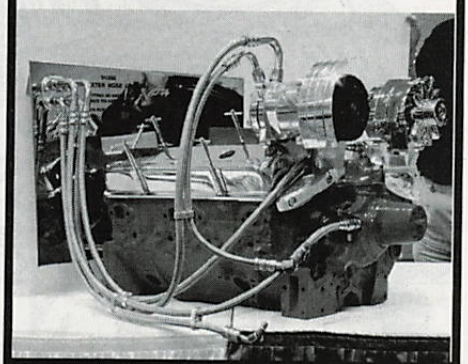
Also Featuring:

Stainless Steel Heater Hose Kits

'Bullet Proof' Power Steering Kits

Transmission Cooler Hose Kits

Oil and Transmission Dipsticks

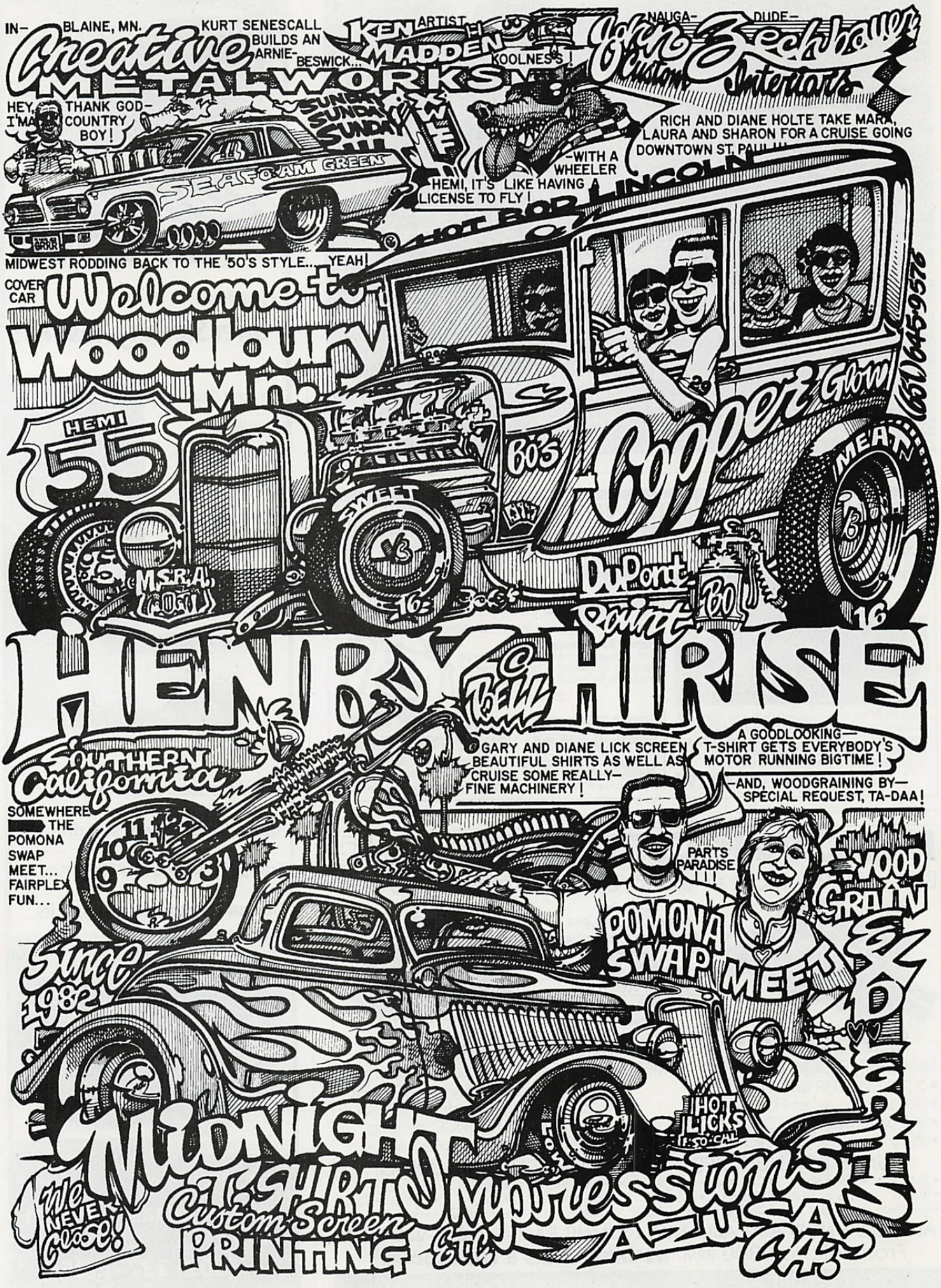


order online at:

www.gottashow.com

or call:

(602) 237-4506


IN- BLAINE, MN.
KURT SENESCALL BUILDS AN ARNIE-BESWICK...
KEN MADDEN
ARTIST
KOOLNESS!
NAUGA-DUDE-
Creative METALWORKS
John Zechbauer Custom Interiors
HEY, I'MA THANK GOD-COUNTRY BOY!
SUNDAY SUNDAY SUNDAY
SEAFOAM GREEN
RICH AND DIANE HOLTE TAKE MARA, LAURA AND SHARON FOR A CRUISE GOING DOWNTOWN ST. PAUL!!!
-WITH A WHEELER
HEMI, IT'S LIKE HAVING A LICENSE TO FLY!
HOT ROD LINCOLN
MIDWEST RODDING BACK TO THE '50'S STYLE... YEAH!
COVER CAR
Welcome to Woodbury Mn.
(651) 645-9576
HEMI 55
Bo's
Copper Glow
MEAT
SWEET
M.S.R.A.
DuPont Paint
HENRY BELL HIRISE
SOUTHERN California
GARY AND DIANE LICK SCREEN BEAUTIFUL SHIRTS AS WELL AS CRUISE SOME REALLY-FINE MACHINERY!
A GOODLOOKING-T-SHIRT GETS EVERYBODY'S MOTOR RUNNING BIGTIME!
-AND, WOODGRAINING BY-SPECIAL REQUEST, TA-DAA!
SOMEWHERE THE POMONA SWAP MEET... FAIRPLEX FUN...
PARTS PARADISE!!!
WOOD GRAIN
POMONA SWAP MEET
Since 1982
HOT LICKS
MIDNIGHT T-SHIRT Impressions
We NEVER Close!
Custom Screen PRINTING Etc.
AZUSA CA.

AUTO-AIR COLORS™

custom automotive paint

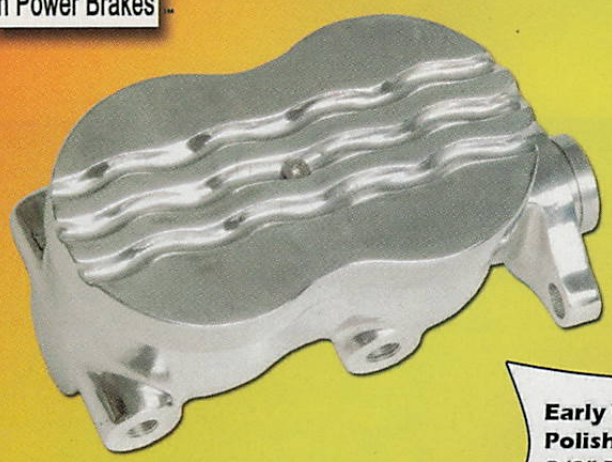
1-800-509-6563

www.autoaircolors.com

high quality brilliant water-based paints

the POWER MBM in Power Brakes

WAVED-CAP STAINLESS STEEL MASTER CYLINDERS!



Early Vette Style
Polished Stainless Steel
3/8" Ports on Both Sides

NOW IN STOCK & READY TO SHIP!

SAVE MONEY
BUY DIRECT
800.231.4125
WWW.MBMBRAKEBOOSTERS.COM

CELEBRATING 25 YEARS IN BUSINESS

VISA MasterCard

SEMA MEMBER SRMA STREET ROD MARKETING ALLIANCE ARMO AUTOMOTIVE RESTORATION MARKET ORGANIZATION

Protocol™
hot rod products
www.protocolperformance.com

Shaved Door Handle Systems

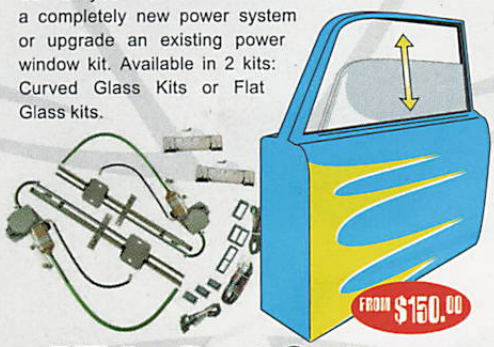
SHAVE IT RIGHT! Protocol now offers a shaved door handle kit that will work in just about any custom application.

- 35lbs
- EZ Installation
- 8 Channels
- Plug-In Harness

FROM $99.00

Power Window Kits

Convert your manual windows into a completely new power system or upgrade an existing power window kit. Available in 2 kits: Curved Glass Kits or Flat Glass kits.



FROM $150.00

Wiring Panel Systems

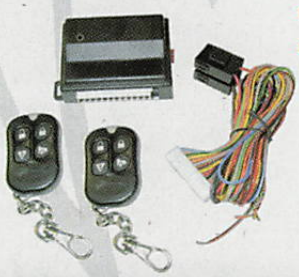
Easy to install design and expandability for future growth. Only the highest quality wire and parts are used. Several kits available.

- Quality Wire
- EZ Installation
- 40 Circuits

FROM $125.00

Keyless Entry Units

LOOK MA, NO KEYS! All most all cars these days come with keyless entry. No need to stay in the stone age! Great for all 12 volt applications.



- 8 Channels
- Control...
  - Windows
  - Door Locks
  - Shaved Doors
  - Plus More!

FROM $49.95

866.866.1315
www.protocolperformance.com
code 9

Hall of Fame

BY CHRIS SHELTON

Winfield, Bain & George Barris & Dean Jeffries
Built in 1957 Rebuilt in 1981
Present owner - Kurt McCormick - St. Louis, Mo.
On Loan
Jack Walker

While Jack had a few years of car shows under his belt, it took him until 1979 to talk Ray Fahrner out of the Eclipse. Jack watched what started as a fairly rare '32 Ford roadster pickup morph into an unprecedented show car. The Eclipse resides at Darryl Starbird's Custom Car Museum when it's not on the road.

JACK WALKER
The Clone Ranger

Typically speaking, the average honorary procession celebrates the primary personalities in a specific subject. In this column, for example, we've chronicled the likes of Wilhelm, Cushenbery, Himsl, and Hines—the people who proverbially lit the fuse on the custom car rocket.

However, the Darryl Starbird Custom Car Museum Hall of Fame is unique in that it celebrates those who may not have started the ball rolling, but those who maintain our culture's momentum—the keepers of the flame if you will. Without these devoted individuals who collect and/or clone these pieces of history, we wouldn't have such rich artifacts to draw upon. This is a dedicated group of builders and collectors who not only gather physical artifacts, but also gather the stories and facts that surround them. These are the stewards of a big slice of American pop culture.

Jack Walker joined the custom car movement relatively late. Sure, he doodled cars in school and bought every magazine with a car in, on, or around it, but as he put it, "I got married. Then that all went away." As it turns out, the marriage was short-lived. "I got divorced in 1967. Then I got completely crazy about cars," he says. Jack bought a new '67 Chevelle, prepped it for stock-class drag racing, and hit the AHRA race circuit. He traded that car for a new '69 Camaro and raced it out of Dick Harrold's shop. He eventually started touring the Nova on the show circuit as a show/race car and eventually traded it for a gullwing-doored '63 Corvette in 1972.

From 1970 to 1978, Jack reinvented the Corvette and bought several other show cars, including a Coors

beer truck, a tall-T ford with gullwing doors, and a Star Wars-themed trike. Jack's new entourage toured the East Coast venues under lease agreements with several show promoters.

In 1979, Jack bought the Eclipse from Ray Fahrner. "That was a show car from day one," Jack says. "Everybody from the Kansas City area thought he (Ray) was a hero." The eclipse won the *Sweepstakes Award* at the 1960 NHRA Detroit National Champion Custom Car Show and "I watched him build that car," he says. Ray sold the car off after showing it and bought it back a few years later. "It took me a few years to talk him into selling the car to me, but I finally bought it in 1979," Jack says. "I had Doug Thompson restore the car over about a three-year period. I leased the car back to Ray once I finished it as part of the deal we made."

About that same time, a drive in a friend's '50 Mercury inspired Jack. "I decided right there that I wanted to copy the Hirohata Mercury," he says. Jack found a '51 in 1983 and turned it over to Doug Thompson with the orders: Hirohata Merc-exact. "We copied that car right down to the license number!" he says. The significance wasn't lost on the public; Dave "Henry Hirise" Bell dubbed Jack the Clone Ranger from the exercise.

During the mid-'80s, Jack took the opportunity to buy the Ray Goulart '50 Mercury—the car often referred to as the Winfield Mercury. The car stood out for its '58 Chevrolet headlights, heavily reshaped wheel openings, and Corvette-inspired fender coves that trailed the wheels. The car also stood out for the mere fact that it survived the ages and even reappeared as a tangerine-fade show car in the '70s—a time that wasn't altogether friendly to tail-dragging customs. Jack showed the car into the '90s. It reappeared some time later at a Barrett Jackson auction in Scottsdale, Arizona.

By the '90s, Bob Larivee Jr. resurrected the Cavalcade of Customs venue at the Championship Auto Shows events. Jack and Jr. aligned and Jack started leasing cars to Jr.'s circuit. The relationship continues to this day as Jack leases and trailers feature cars to Jr.'s high-profile venues nationwide.

But that didn't stop Jack's clone-prone tendencies. He found a '51 Buick and commissioned Kenny Baker to chop it and Dick "The Bearded One" Hulkans to finish and paint the car in a distinctive, yet recognizable, tri-tone blue. The end resulted in a very faithful clone of Lyle Lakes' *Blue Danube.*

Preceding the *Blue Danube* project, however, Jack saw something lurking in Dave Crook's garage—Harry Bentley Bradley's '51 Chevrolet La Jolla. Time passed and by the late-'90s, well after Jack finished the *Blue Danube*, Jack noticed something changed on the La Jolla; it bore more dust from sitting. "So I talked Harry into selling me the car," he says. "We agreed on a few changes, like the color (Harry originally wanted purple but social elements thwarted the choice in the '50s), and white roll-'n'-pleat interior." And in typical Harry Bradley fashion, he supplied Jack with not only comprehensive plans, but he obtained the correct color lavender for the interior accents. "Harry was a real big

If you're planning to copy something, plan on going big and you'll make a splash. Jack did with his Doug Thompson-built Hirohata clone. He copied the car right down to the Caddy mill and original license plate numbers. This is the car that earned Jack the Clone Ranger moniker from Dave Bell.

Jack also had the good fortune of owning another icon clone—the *Polynesian II*. While it isn't Jack Stewart's Valley Custom-built '50 Olds, it's still a convincing head-turner to this day. The *Polynesian II* now lives in Florida awaiting a new owner.

Even if you don't know the La Jolla's creator's name, Harry Bentley Bradley, you more than likely know his work if you ever noticed Hot Wheels cars. Harry's the guy who designed the *Deora* for the Alexander Brothers. This is one of his earlier works that illustrates some of Harry's eye for shape.

If there's an unsung hero of historic custom car builders, it has to be Harry Westergard. Harry died tragically as a result of his rather wild lifestyle on the cusp of his fame. This '40 Mercury was his personal car and it features a number of very radical modifications for its time. For example, check out the fadeaway front fenders and the '42 Buick grille.

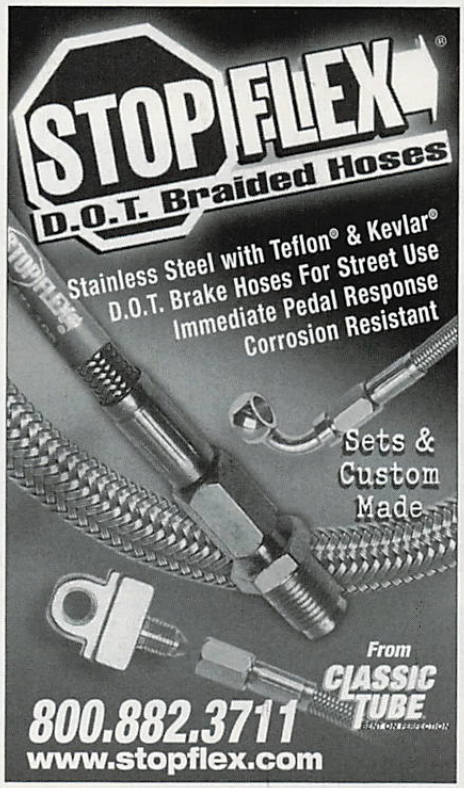
help with that car with his drawings and plans," Jack says. Backing up even further, Jack's partner in crime, Doug Thompson, built a '50 Chevrolet for Larry Cochran in 1986. Doug chopped and hardtopped the lid, incorporated a '59 Chrysler Imperial grille insert into a Mercury grille shell, and finished the rear with '50 Cadillac fins. Larry showed the candy-tangerine custom briefly at KKOA events and ultimately shelved the car. The car languished for nearly a decade until Larry's death forced the car's sale. Jack purchased the car, commissioned Bob Sypes to retrim the car in rolls 'n' pleats, and incorporated it into his arsenal.

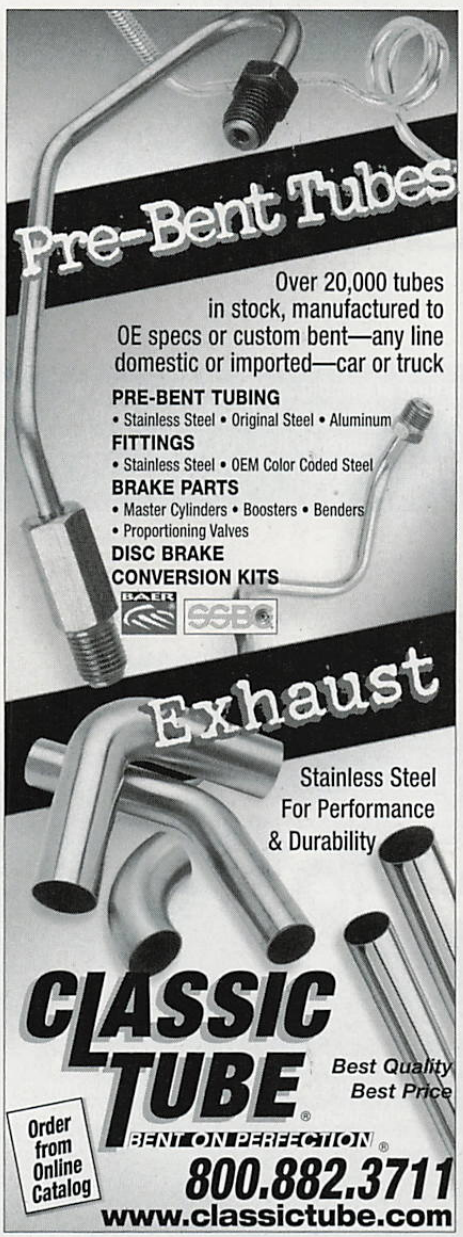
Then, one day Jack noticed a dust-covered custom in the Petersen Automotive Museum's basement. "It was the Firestar, the '61 Thunderbird that John D'Agostino built in the late '90s," Jack says. "A Swedish guy bought it, took it home to show it, and the museum brought it back for their 'Kustoms with a K' display. I looked under the cover and noticed a 'For Sale' sign, so I called the guy and bought it." To this day, the *Rod & Custom* cover car and 1999 Sacramento Autorama contender receives top billing wherever it shows.

Then, two years ago, while displaying in Houston, "(DJ and announcer) Wings Callahan tosses a Hemmings (*Motor News*) at me and said 'read this,'" Jack says. There, in the middle of the page was an ad for a '40 Mercury custom. "It was a (Harry) Westergard car. A guy who lived in Sacramento owned the car for the past 30 years and he wanted to sell it." So Jack and his lifetime friend Ed Guffey acted fast and procured the car. They sent the car off to Verdon, Nebraska's Dave Dolman for a full restoration. Once again, Bob Sypes came in for a roll-'n'-pleat job as well as a fresh skin for the Carson-style padded top. The Westergard car made its debut at CASI shows in late 2004 and continues to circuit the country as we speak.

The Darryl Starbird Custom Car Hall of Fame inducted Jack as *Owner/Builder of the Year* in 2000 and we're proud to say that after all these years, Jack Walker's still certified nuts about cars. He says he's contemplating his next move, possibly another '50 Mercury or a survivor-custom he found on the outskirts of town. But for now, Jack has a ball touring the country showing his cars. We can't think of a much better time than that! SR

NATIONAL ROD & CUSTOM CAR
Hall of Fame Museum
55251 E. Hwy. 85A, Dept. SRM
Afton, OK 74331
(918) 257-4234
www.darrylstarbird.com




Pre-Bent Tubes
Over 20,000 tubes in stock, manufactured to OE specs or custom bent—any line domestic or imported—car or truck
PRE-BENT TUBING
• Stainless Steel • Original Steel • Aluminum
FITTINGS
• Stainless Steel • OEM Color Coded Steel
BRAKE PARTS
• Master Cylinders • Boosters • Benders
• Proportioning Valves
DISC BRAKE CONVERSION KITS
Exhaust
Stainless Steel For Performance & Durability
CLASSIC TUBE
BENT ON PERFECTION
Best Quality Best Price
Order from Online Catalog
800.882.3711
www.classictube.com

Street Rods to Muscle Cars

Only BILSTEIN® Gives You Both Ride Comfort *AND* Performance Handling.

When it comes to your street machine's suspension, you don't have to compromise or sacrifice your ride quality for performance. Just bolt on a set of Bilstein shocks and get it all.

Only Bilstein gives you...

- *Advanced monotube design for cooler, more efficient operation and longer life*
- *Independent compression and rebound valving custom tuned for each application*
- *2 to 3 times larger piston diameter provides superior handling and performance*
- *Each shock fully dyno tested to insure you get the best ride possible*
- *Patented digressive valving instantly responds to changing suspension input*
- *Limited lifetime warranty*
- *Coilover or smooth body aluminum and steel body models for stock to fully custom applications, including:*
  - *Tri 5's*
  - *Mustang II*
  - *Parallel Leaf*
  - *Factory Replacement*

BILSTEIN...the world leader in monotube gas pressure shock absorber technology.

Bilstein Gas Pressure Shock Absorbers
ThyssenKrupp Bilstein of America
East: 1-800-745-4636 • West: 1-800-537-1085 • www.bilstein.com

BILSTEIN® GAS PRESSURE SHOCK ABSORBER

Class, Style, *Different!*

Dayton WIRE WHEELS SINCE 1916

Street rodders...tired of billet wheels & five-spoke mags?

Go for something truly different. Add class and style to your rod with USA-made Dayton Wire Wheels. Easy to clean, different, and cool. Dayton Wire Wheels just may be the ultimate street rod wheels.

With Perma-true® construction Dayton Wire Wheels' are designed to be maintenance free which means they don't need periodic retrueing or retightening.

CONTACT US TODAY!

See Us At the
Street Rod Nationals
Louisville, KY
August 4,5,6,7 2005
Booth # 736

1-866-264-0620 • www.dayrod.com

SHOW SPECIAL!!
FREE Caster Kit!
FREE Drip Trays!
FREE Jack Tray!
(For a limited time only)

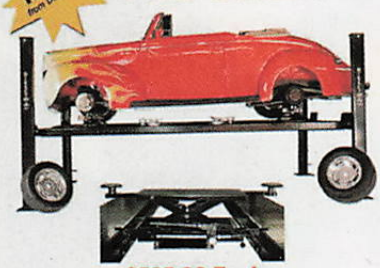
AMERICA'S #1 HOBBYIST LIFT
Learn how at www.directlift.com

$1995.00 Special Price

Pro-Park 7

NEW! from Direct Lift

PRO-JACK

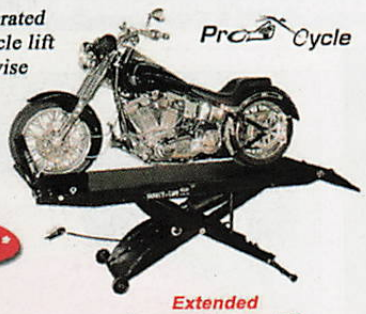


$595.00 Each
3500 lb. capacity

An economical sliding jack that makes any four-post lift complete. *Pro-Jack* requires no air or electricity, operates by hydraulic hand pump and is adjustable to fit most four-post lifts, including Pro-Park 7, Backyard Buddy, Perfect Park, Superior Lift and Eagle.

Air Operated Motorcycle lift with vise

Pro Cycle



$595.00* Special Price

Extended Length Standard!!!

Overall Height 9' 3"

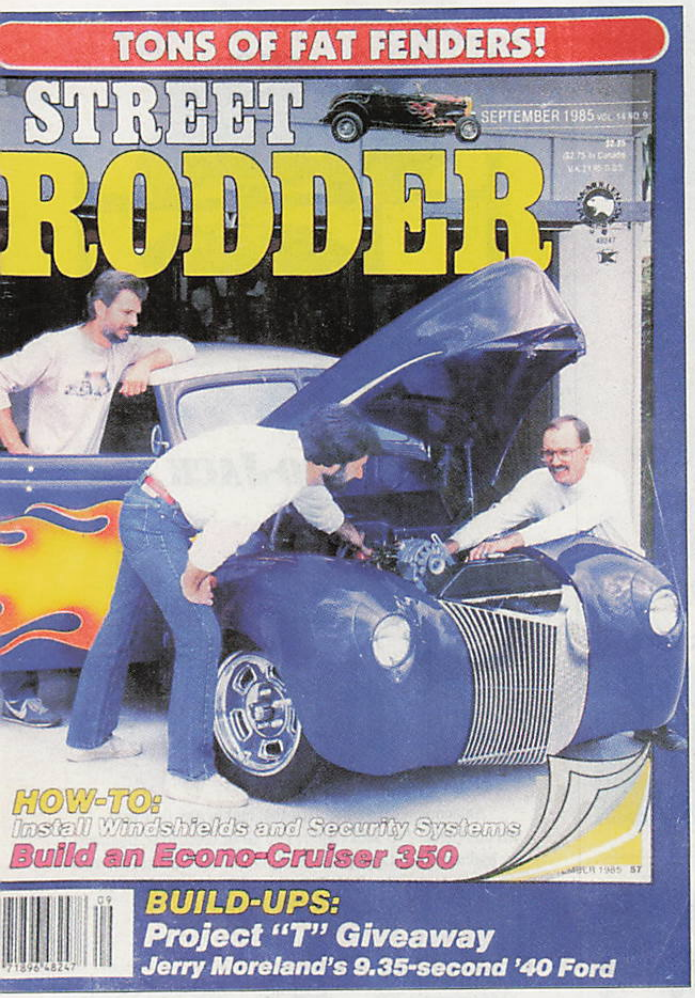
$1795.00 Special Price

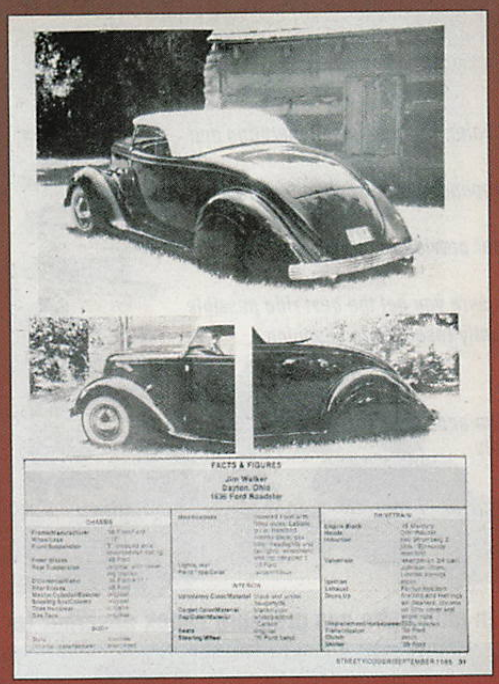
*Pro-9000F**

(866) 347-5438 Toll Free
www.directlift.com

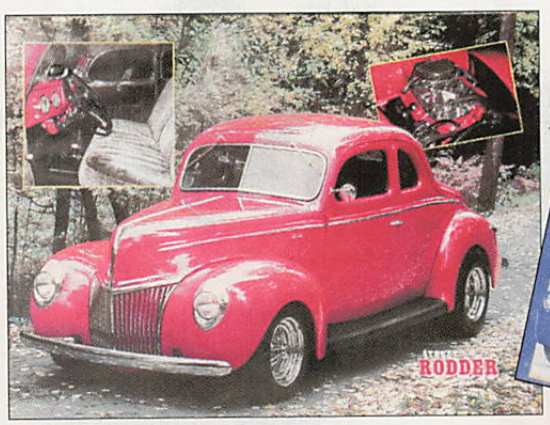
Direct-Lift.

20 Years Ago IN SRM SEPTEMBER 1985



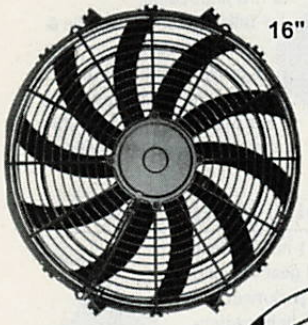


Over the years, custom car collector extraordinar Jim Walker of Dayton, Ohio, has come up with some of the finest period-perfect, as well as original, late-'30s to early-'50s custom cars ever built. This sweet '36 Ford roadster is no exception. From the LaSalle grille to the built '48 Mercury Flattie to the perfect tail dragin' stance, '40 Chevy headlights, teardrop skirts, and ribbed Desoto bumpers, this custom sets the standard for all others.



(left) Street rodding has been around for a very long time, not only here in the states, but just about everywhere else in the world as well. As you can clearly see here, street rodding was alive and well across the Atlantic back in 1985, thanks to Per Olov Thorslund of Lidingo, Sweden, and his cherry Chevy small-block-equipped coupe. The coolest thing about the '39 has to be the fact that the owner built the entire car himself at home. Well that, and the bitchin' Appliance Fine Wire wheels. *(middle)* Who could forget this famous little '39 Ford 'vert put together by the even more famous Pete Chapouris III. Actually, this roadster came together with the help of not just Pete, but a handful of the finest street rod builders in the world–like Don "The Buffalo" Thelen, John Carambia, and of course, Jim "Jake" Jacobs, just to name a few. This project was sparked for Pete way back when his hot rodder dad, Pete Jr., built a mildly customized '39 convertible when Pete *number three* was just a wee little crumb cruncher. *(right)* Every once in a while, someone comes along and blends two styles together for one great result. Usually, as with this car, the best two styles to blend are a little bit of custom with a lot of hot rod. Bodyman Gary Hite of Kingsport, Tennessee, spent some quality time with this cool '51 Chevy sedan, transforming the family sedan into the best of both worlds. We're pretty sure the well-built 300hp small-block helped the '51 run as good as she looks.

MARADYNE
HIGH PERFORMANCE FANS


16" FAN

LOW PROFILE

DOUBLE RING REINFORCED

Profiles from 2.48" to 3.19"

Sizes 6.5" to 16"

Reversible: Pusher or Puller

Hi-torque Water & Dust Resistant Motor

Four 90° Mounting Feet

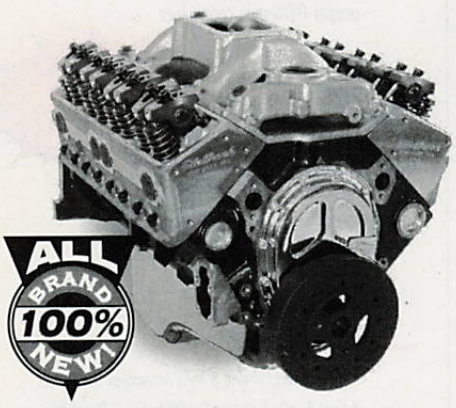
Nylon Tie Kit Included (6.5" to 12" Sizes)

Hi-temp Glass Reinforced Nylon

UNMATCHED PERFORMANCE – CALL US!

Maradyne • 4540 W. 160th St. • Cleveland, OH 44135 • 800-403-7953
Fax: 216-362-6342 • Email: texsls@swbell.net • www.maradyne.com

Smeding PERFORMANCE



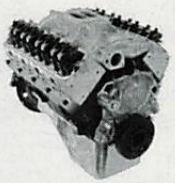
Chevy 383 EXTREME

440 Horse Power

9.8 to 1 Compression
Hyd. Roller Cam.
Edlebrock Aul. Heads
2 Year Warranty

$5,495

350 hp	**350 Chevy Magnum**	$2,995
330 hp	**383 Chevy Torqurer**	$3,895
380 hp	**383 Chevy Hot Rod**	$3,995
380 hp	**347 Ford Extreme**	$5,495
400 hp	**351w Ford Extreme**	$4,395
520 hp	**427w Ford Cobra**	$7,495



www.SmedingPerformance.com
CALL FOR CATALOGUE TOLL FREE (877) 639-7637

Nostalgia Street Rodding's Tire & Wheel Source!

Coker Tire

1-800-251-6336

Order online @ www.coker.com
Ask for a FREE Catalog today!

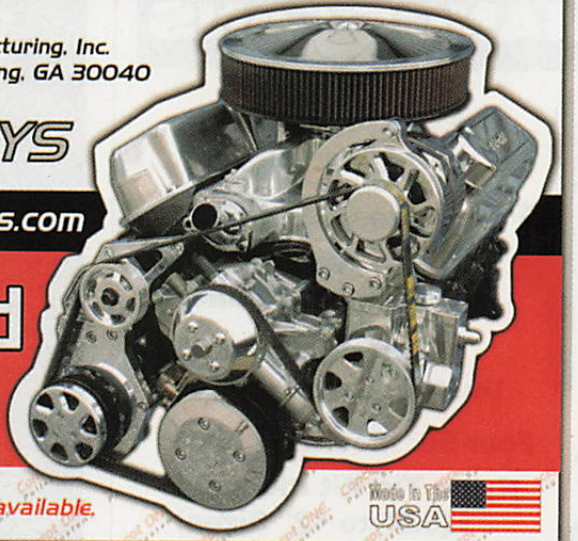
CODE SR5

Concept ONE™ Pulley Systems

Redd Machining & Manufacturing, Inc.
6320 Hwy 400 North Cumming, GA 30040

I-877-PULLEYS

www.conceptonepulleys.com



NEW! Ford 302/351

GT-40 Crate Engine Kits also available.

Made in the USA

RANDY'S RING & PINION

- Axles
- Ring & Pinions
- Positractions
- Lockers
- Installation Kits
- Spools
- Tools
- Cases
- Spider Gears
- Complete Third Members
- And More...

Low Prices on the Best Parts

Visit our website
www.ringpinion.com

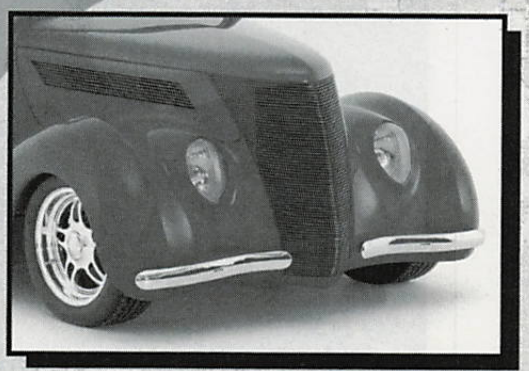
FREE Tech Help or Ordering Info Call
Toll Free 1-866-887-4360

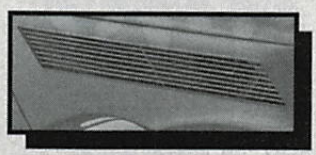
Ring & Pinion

M-F 5:00 a.m. – 5:30 p.m. Pacific Time • Sales Fax (425) 355-1529 • Two Shipping Locations (Washington & Tennessee)

M16-11-05B

'37 Ford Grills & Hood Side Grills





Don't be fooled by cheaper imitations. Insist on the best and the originator of the 1937 Ford Hi Tech Grill
Compare quality as well as price!!
Don Pilkenton

Why spend 40 or 50 hrs. on or worse yet, pay someone else's labor to try and save that bad original or cheap repop? When for less you could have Hi-tech pieces like these. Our grills will give your '37 the look that others will envy. And using our grill cover & latch kits will give your rod that perfect finishing touch.

Call now for Catalog only $3.00
Refunded upon first Purchase

Don's Hot Rods
Genuine Brand Parts

Parts for Cars that deserve the Best!

(937) 855-3605
Toll FAX (937) 855-7973
2643 E Dayton Pike
Germantown, Ohio 45327

Performance Shifters

Outlaw™ Shifter

- Includes park/neutral safety switch, installation hardware & H/D shift cable
- Billet pistol grip handle & anodized cover
- Exceeds NHRA/IHRA reverse lock-out regulations
- Fits Most GM, Ford and Chrysler 3&4-speed automatics

#611323 Powerglide
#616331 3-Spd Fwd. Pattern

StreetFighter® Shifter

- Polished t-handle design & lighted gear indicator
- Includes park/neutral & reverse light switches and H/D shift cable
- Exceeds NHRA/IHRA reverse lock-out regulations
- Fits Most GM, Ford and Chrysler 3&4-speed automatics

#616443 3-Spd Fwd./ Rev. Pattern

TCI tciauto.com

662.224.8972
www.tciauto.com

LS1 Wiring Harnesses

Perfect Circuit™ LS1 wiring harnesses are high quality, factory appearing harnesses with the proper OEM-style connectors.

Custom ECU Programming Available

Perfect Circuit™ Wiring Harnesses

- Individually Labeled & Fully Assembled Connectors
- Heat Barrier Covering For Protection & Durability
- Plug & Play Connectors For Quick Installation

Available For All Popular LSI Engine/Transmission Combinations, As Well As Custom Applications

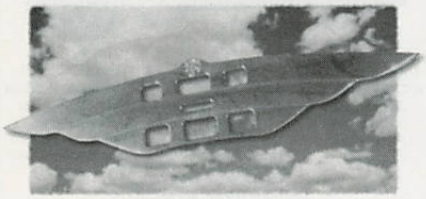
www.fuelairspark.com
FAST™ FUEL AIR SPARK TECHNOLOGY

901.260.3278
www.fuelairspark.com

J&B MICROFINISH

INNOVATION IN DESIGN
QUALITY IN MANUFACTURING

ALL-AMERICAN
SIX HOLE DASH INSERT
(ALSO AVAILABLE WITH FIVE HOLES)



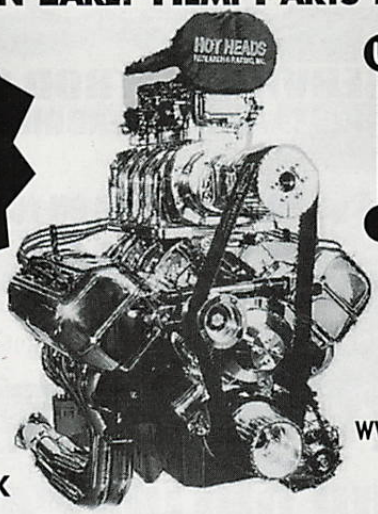
CUSTOM MADE
"WINGED" DASH INSERT
MADE FOR 2004 RIDLER AWARD WINNING 37 WILLYS

◂ Over 70 Billet Aluminum Accessories, All Made in America ▸
◂ For Rods, Customs, Trucks and Street Machines ▸
◂ Custom Work Always Available ▸

Call Today for Information and Free Catalog
815-842-2279
413 W North St, Pontiac, IL 61764
www.jbmicrofinish.com

HOT HEADS RESEARCH & RACING, INC.
THE LEADER IN EARLY HEMI PARTS DEVELOPMENT

SPECIALIZING IN '51 - '58 CHRYSLER, DODGE & DESOTO HEMIS



US Dist. For GARLITS

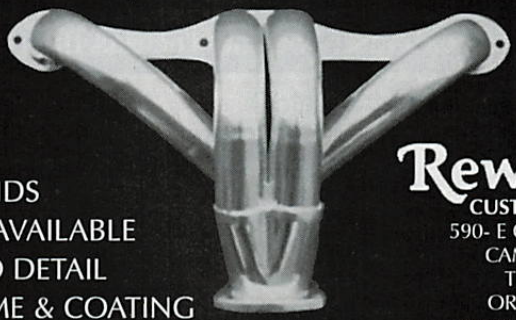
Perf. Products

COMPLETE LINE OF REBUILD & DRESS UP PARTS IN STOCK

VISIT OUR FREE STRICKLY HEMI SWAP MEET @ www.hothemiheads.com
Catalog $5.00

276 WALKER'S HOLLOW TRAIL • LOWGAP, NC 27024 • (336) 352-4866 • FAX: (336) 352-3892
www.hothemiheads.com BOB WALKER - OWNER

Show Quality **HEADERS & COATING**



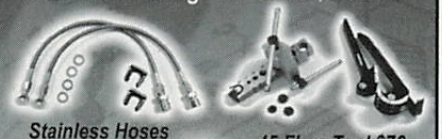
- 3/8" FLANGE
- T.I.G. WELDED
- MANDREL BENDS
- LARGE TUBES AVAILABLE
- ATTENTION TO DETAIL
- SHOW CHROME & COATING
- WE COAT NEW & USED HEADERS

VISA MasterCard AMERICAN EXPRESS

Rewarder
CUSTOM HEADERS INC.
590- E CONSITUTION AVE,
CAMARILLO, CA 93012
TECH (805) 445-1015
ORDER (800) 878-6968
www.rewarderheaders.com
DEARLER INQUIRES WELCOME

Inline-Tube.com
The Professional Restorers #1 Choice
Available in Premium Stainless or Tin Coated Original Steel
Stainless or OE Fittings

Straight Sets $59.00 OE or $125.00 SS
Soft Bending & Flaring Stainless Tube
Stainless Tubing - All Sizes $2.95 FT



Stainless Hoses $34-65 pr
45 Flare Tool $70
37 Flare Tool $99

Res Valves 2lb or 10lb $23
Adj. Prop. Valve $49
Disc Brake Valve $85

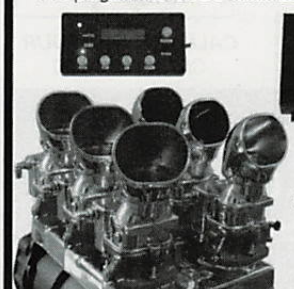
Preformed lines for Production Cars
Highest Quality / Best Price / Largest Selection
When building a car or updating a brake system, Inline Tube has all the products to get your brake plumbing job done the first time. Call the brake plumbing experts today.
15066 Technology Dr. Shelby Twp, Michigan 48315
Order online - Inlinetube.com
Order (800)385-9452 Tech (586)532-1338

MOON Equipped

MOONJECTION
New Casting Throttle Bodies
"No More Leaks, No More Headaches"

Available in any number of throttle body set-ups.2x2, 3x2, 4x2, 6x2 or even 8x2. Bolt on directly to stromberg manifold. Call for price & availability!

- No Laptop Necessary
- System installs w/o removal of exsisting manifold
- Kit includes all necessary components and sensors
- Laptop programmable ECU's are available
- Pre-progammed ECU's minimize final tuning



ECU ALSO SOLD SEPARATELY!

Finned Air Cleaner
Fits 2-5/8" neck
#AA550....$ 145.00 Ea

• Available as cast or polish• Manifold for 671 and 471 blower applications

SEE! www.mooneyes.com 800-547-5422 562-944-6311 Fax 562-946-2961

HARTRODS

FULL SERVICE HOTROD SHOP
PARTS*INSTALLATION*FABRICATION

CALL US FOR INFO ON YOUR NEW PROJECT!!!

1-800-979-4278

#1 Total Cost Involved Distributer

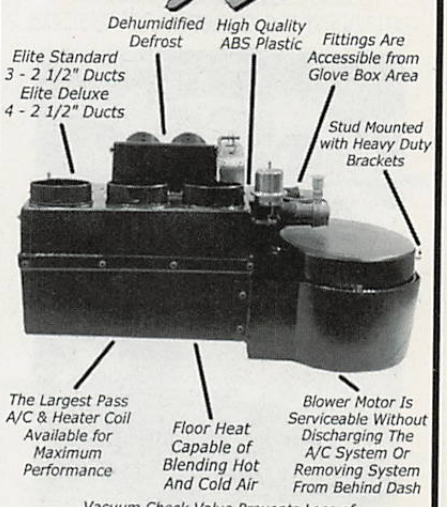
VIEW OUR ONLINE CATALOG

www.hartrods.com

4115 TRANSPORT ST*VENTURA,CALIFORNIA

WHY YOU SHOULD CHOOSE

Hot Rod Air inc.


Dehumidified Defrost
High Quality ABS Plastic
Fittings Are Accessible from Glove Box Area
Elite Standard 3 - 2 1/2" Ducts
Elite Deluxe 4 - 2 1/2" Ducts
Stud Mounted with Heavy Duty Brackets
The Largest Pass A/C & Heater Coil Available for Maximum Performance
Floor Heat Capable of Blending Hot And Cold Air
Blower Motor Is Serviceable Without Discharging The A/C System Or Removing System From Behind Dash

Vacuum Check Valve Prevents Loss of Vacuum Under Acceleration

All Hot Rod Air Elite Series evaporators are backed by a **LIFETIME PARTS REPLACEMENT WARRANTY!**

Call for our 48 page catalog
Toll Free 877-302-8300

HOT ROD AIR, INC.
9330 Corporate Drive Suite 308
Selma, TX 78154
WWW.HOTRODAIR.COM

PERFORMANCE A PRIORITY?

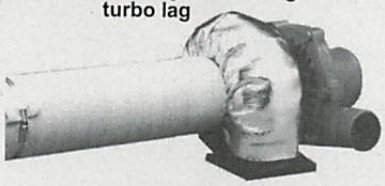
From intake to exhaust, Thermo-Tec has the products for you.

Cool Air Tube Heat Shield™

Unique lace up design fits many air tubes.
Blocks more than 98% of radiant heat

Turbo Insulating Kit™

Keeps turbo spooled up, virtually eliminating turbo lag



COOL IT. Thermo Tec

WORLD LEADER OF AUTOMOTIVE INSULATING PRODUCTS

www.thermotec.com
Call 1-800-274-8437 for a FREE catalog or a distributor near you!

Super Stopper Disc Brake Kits

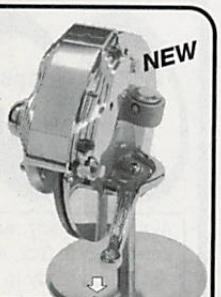
- Full polished finned aluminum backing plates for Super Stopper kits.

Kits Starting at $ 608.95
$1,062.00 *(as shown)*

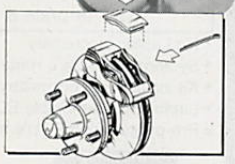
NEW

- Our 360 degree fully polished billet aluminum caliper mounting brackets, retrofit all of our Super Stopper combinations.
- Billet caliper covers finish the exposed pad look. (Sold seperately)
- 1" Vented Rotor available

Kits Starting at $ 467.95
$ 944.50 *(as shown)*



NEW



NEW

25th Anniversary T-shirt
Starting $ 15.00

CALL AND GET YOUR CATALOG $4.00

BETTER THAN THE ORIGINAL

SuperBell Axle Co.
Tel: 816-758-5044
Fax: 816-758-5055
TOLL FREE
866-758-3300 (Orders Only)
superbel@casstel.net

SUPER BELL AXLE CO.

Pete & Jake's
Hot Rod Parts
Tel: 816-758-4504
Fax: 816-758-4512
calkid@casstel.net

OVER 50 YEARS OF COMBINED EXPERIENCE
401B Legend Lane, Peculiar, MO 64078

MADE IN THE USA

HEADWINDS®

The Leader In Custom Headlights

NEW! Turn signal mounted to Headlight

- Headlights patented
- Mounts
- Turn Signals
- Lamps
- Bulbs
- Apparel

Ford & Chevy mounts!

Lamps

Shock Tower Mount

NEW!

221 W. MAPLE AVE. MONROVIA, CA 91016
626/359-8044 WWW.HEADWINDS.COM

NAISER Racing COMPONENTS
713/688-8383
STREET RODS?
THESE WHEELS GRAB YOU!
3 SPOKE GT
SABER
NEW!
NEW!
FANG
2-PIECE 3 SPOKE
www.naiser-racing.com
4734 Creekmont • Houston, TX 77091
MEMBER

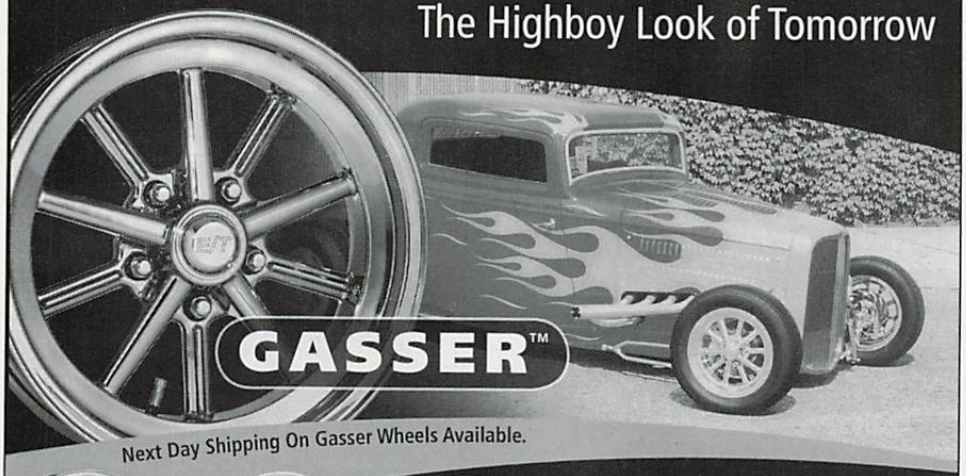
HATFIELD
Restorations
Jim Nicholson's Steel 3-W Coupe
2004 NSRA Nationals Pro's Pick
ALL PHASES OF CONSTRUCTION DONE IN HOUSE
We Carry The Same Quality Parts In Our Store We Use To Build Our Cars
PAINLESS PERFORMANCE PRODUCTS
1-866-635-9699
Pete & Jakes
Canton, Texas 75103
www.hatfieldsrestorations.com
* GIBBONS FIBERGLASS * ALAN GROVE BRACKETS *
FAT MAN FABRICATIONS
idiot
GLIDE engineering Inc.

'cuz RAIN HAPPENS!
the Mighty Wiper
Electric Windshield Wiper for early single wiper cars
Available with a straight or DeLuxe Tapered Shaft.
Includes Motor, Arm, Blade and Bezel material. Perfect replacement for single arm Vacuum Motors. A selection of spindle shaft lengths. Powerful 12 volt or optional 6 volt motor.
From $129.95*
*Shipping is extra
ALSO! RAIN GEAR Systems
Complete, modern, 2 speed, lever and link, Windshield Wiper Systems for '53-'57 Chevy Pass. & '47-'59 Chevy Trucks.
From $329.95*
Rain even happens at our NEW address!
Pacific Western Design, Inc.
693 Blue Sky Dr., Pt. Townsend, WA 98368
New phone (360) 385-5493
http://www.pacificwesterndesign.com

www.RON FRANCIS.com
WIRING
100% QUALITY ASSURED!
COMPLETE CUSTOM WIRING SYSTEMS FOR GM, FORD & MOPAR!
QUALITY YOU CAN TRUST!
UNMATCHED Experience • Lifetime Guarantee • Unforgettable Simplicity!
866-337-1933

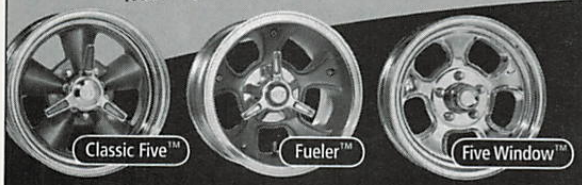
EXTERIOR MIRRORS
SANDABLE, PAINTABLE
HIDDEN MOUNTING
FULLY ADJUSTABLE
SUPER SMOOTH LOOK
For info on these and other unique products, call or write:
VISION hot rod concepts
525 Highland Rd. W., Unit 280, Kitchener, ON Canada N2M 5P4
Tel: 519-742-9800 www.visionhotrod.com

The Highboy Look of Tomorrow



GASSER™

Next Day Shipping On Gasser Wheels Available.



Classic Five™ Fueler™ Five Window™

We custom build every wheel to fit your highboy or full fendered, wide axle or narrow hot rod – with more offsets, sizes and styles from the 60's than any other manufacturer offers.

GET A SET & GET GOING!

1965 West 140, San Leandro, CA 94577 • (510) 895-8880 • info1@team3wheels.com

TEAM III WHEELS

www.team3wheels.com

Luggage trailers

AERO Classic TRAILERS

NEW TearTop™ lid option. **Stage I** - composite fiberglass body kit with '30, '32 or '34 fenders. **Stage II** - frame, independent torsion suspension, hubs and bearings. 32 cu. ft. cargo. **Free info.**

3250 50th Street SE
Delano, MN 55328
www.aeroglass.com
763-972-3565

AF4-240

KARTS & PEDAL CARS

New **Deucester** adult sized go-kart with engine is perfect for shows, runs and parades. Other kart models too. Many pedal cars and strollers including 50 Merc.

AERO Mini Classics

Free info

3250 50th St. SE, Delano, MN 55328
www.aeroglass.com
763-972-3565

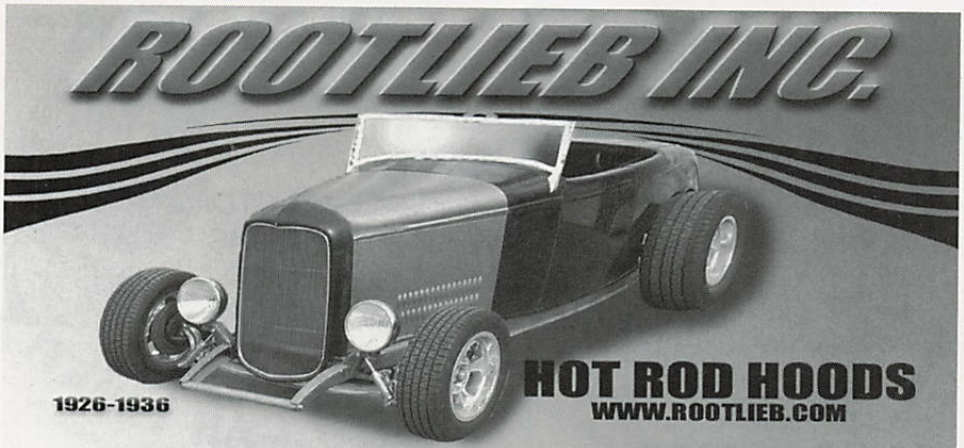
'36 pedal car/stroller

'32 pedal car/stroller

Deucester

AF3-40B

ROOTLIEB INC.



1926-1936

HOT ROD HOODS

WWW.ROOTLIEB.COM

P.O. BOX 1810, TURLOCK, CA. 95381 (209) 632-2203

Willys Hot Rods by:

ACTIVEPOWERINC.COM

Pro-Touring Pro-Street Old-School Gasser

ACTIVE POWER FIBERGLASS BODIES feature Black Gel Coat Finish, Hard Wood and Steel Reinforcement Throughout. Delivered with Doors and Glass installed.

'41 Coupe

'41 Extended Cab Pickup

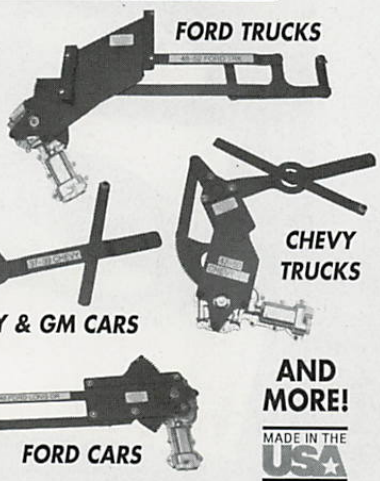
MARK I fits directly to an S-10 Chassis. MARK II includes our Custom Chassis.

Prices start at $8995.

800-699-3780 • 9535 Jackson St.
Mentor, OH 44060

Streetrods are being built with greater quality.
Why not use quality power windows?

Nu-Relics POWER WINDOWS



FORD TRUCKS

CHEVY TRUCKS

CHEVY & GM CARS

FORD CARS

AND MORE!

MADE IN THE USA

Power Window Kits
BUILT STRONG TO LAST LONG

- User friendly–bolt into stock mounting holes
- MODEL SPECIFIC
- Numerous models available to remove vent
- Use stock channels
- GM Motors
- Made of 1018 Cold-roll Steel
- Using Brass-oil-lite thrust bearings
- Switches/Wire harness included
- Lifetime warranty

Nu-Relics Power Windows
6621 Old Hwy 421 • East Bend, NC 27018
(336) 699-8949 • www.nu-relics.com
email: nu-relics@nu-relics.com

"Detailing shouldn't be a Dirty Word"

SLICK STIXXX
Detailing Component System

Ever Wrap a Rag Around a Screwdriver to Clean Something?

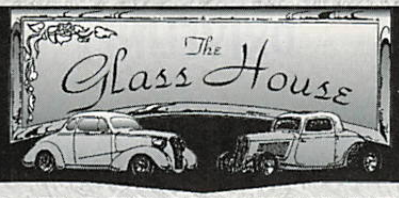
Slick Stixxx help SAFELY clean and polish tight, hard-to-reach areas that cannot easily be reached using conventional tools or by hand.

Kit Includes:
4 Vinyl Coated Component Handles
7 Non-Marking Component Heads
2 Connectors
2 End Caps
Slick Rag
Slick Bag

1-866-234-4902
8:30 am - 5:00 pm EST

For more information and to purchase Slick Stixxx, logo clothing, and accessories visit
www.slickstixxx.com

NOW IN STOCK & READY TO SHIP!



CALL OR WRITE TODAY FOR OUR FREE 8-PG. CATALOG!

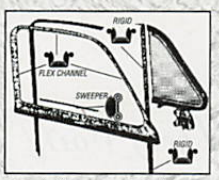
FLATGLASS ALSO AVAILABLE

ALL GLASS MADE IN USA

E-Z WIRE PROTECTOR
Protect your power window & power door lock wires from being cut when closing car doors with one of the Glass House's Wire Protector Kits. Available for all makes & model vehicles.
Complete **$40.95**

ELECTRIC LIFE POWER WINDOWS
Power Window Kits now available at an affordable price for all Street Rod, Fat Fendered, Custom & Classic car and truck applications. All necessary hardware & instructions for easy installation. Complete with switches.
Complete **$325.00**

FORD CAR WIND WING ELIMINATION KIT
Kit comes complete with all necessary hardware and instructions. Easy installtion. *Add $15.00 for stainless bead. Other models also available.
Kit Starting At **$100.00**



STAINLESS BEAD CHANNEL
Sold in 8' lengths, we carry channel for all makes & models of cars from mid '30's to Mid '60's
Each **$20.00**

'40-'48 FORD 1-PC. WINDSHIELD GASKET
No divider bar. Cut to fit. Easy to install.
Each **$40.00**

The Glass House 446 West Arrow Hwy., #4, San Dimas, CA 91773
Phone: (909) 592-1078 Fax: (909) 592-5099 Web: theglasshouse1.com
All Prices Above Plus Shipping & Handling / CA Residents Add Current Sales Tax
VISA DISCOVER COD

America's Best Glass for the Finest Cars
Handcrafted USA Quality
Street Rod Glass
STREET RODS | CUSTOMS | ANTIQUES
Glass • Rubber • Power Windows
Toll Free 888.876.1116 • www.streetrodglass.com
WE SHIP WORLDWIDE • INSTALLATION AVAILABLE

Hidden Audio
SECRETAUDIO

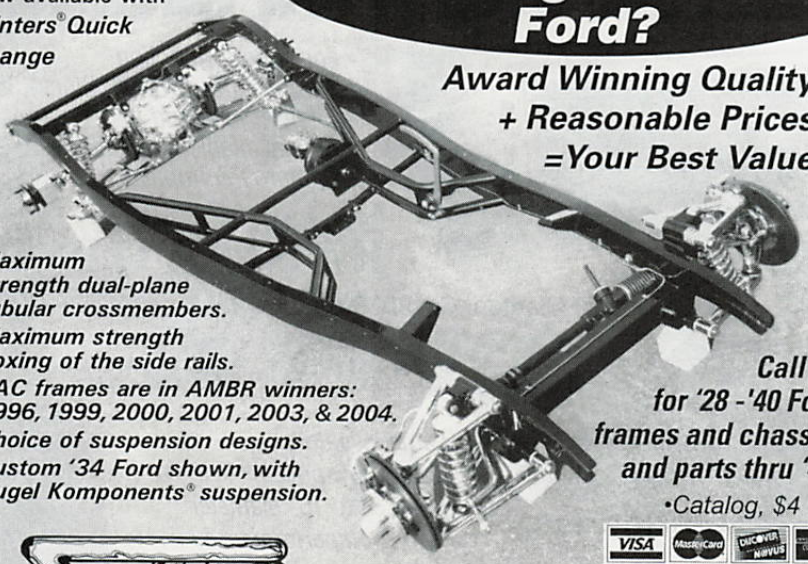
Hideaway 140 Watt AM/FM CD Controller featuring 'RF' (radio freq) Remote Control Ideal for Rods, Classics, Customs or any Vehicle! Leave Original Radio Intact! LCD display sensor unit can be mounted almost anywhere (or not at all) and can be controlled by wireless remote from up to 50 feet away. The tuner/amplifier unit can be hidden out of site (under seat or behind dash).

Undercover Stealth Speaker
Designed for Classics, Customs And Rods. 120-Watt speaker enclosure. Designed for underseat installation.

custom autosound CALL NOW TOLL FREE
1-800-88-TUNES
www.custom-autosound.com

Now available with *Winters® Quick Change*

Building a '33-'34 Ford?
Award Winning Quality + Reasonable Prices =Your Best Value



- *Maximum strength dual-plane tubular crossmembers.*
- *Maximum strength boxing of the side rails.*
- *SAC frames are in AMBR winners: 1996, 1999, 2000, 2001, 2003, & 2004.*
- *Choice of suspension designs.*
- *Custom '34 Ford shown, with Kugel Komponents® suspension.*

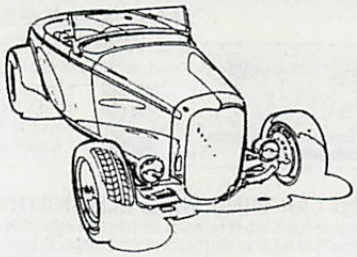
Call us for '28 -'40 Ford frames and chassis, and parts thru '48.
•Catalog, $4

SAC HOT ROD PRODUCTS
(714) 997-3433 www.sachotrod.com Since 1978
625-35 West Katella Ave. Orange, CA 92867-4619

INLAND EMPIRE DRIVELINE®

We make buying smooth running - high quality - reliable driveshafts fast and easy!

- *User Friendly Measuring Guide*
- *Toll Free Ordering and Info*
- *Knowledgeable People*
- *All New Construction*
- *Guaranteed Fit*
- *Arrive "Ready to Install"*
- *Choice of Steel, Aluminum or Carbon Fibre*
- *Standard Finishes Shipped Within 24 Hours*



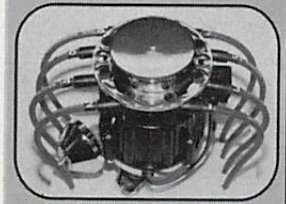
Precision Makes Them Work!

800.800.0109
4035 East Guasti Road #301 • Ontario, CA 91761
Fax: 909.390.3036 • e.mail - tech@iedls.com

VISA MasterCard

CROSSFIRE

CROSSFIRE HEI SUPERCAP



Chrome Top Hat
$9.95

Crossfire HEI Supercaps are reprogrammed to send plug wires from the left side of engine in order, as well as the right side. Fits '74 and newer Chevy V8 HEI w/ "L" clip hold downs.
$49.95 +S&H

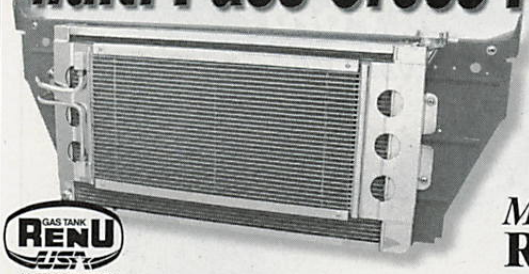
COMPLETE STREET DISTRIBUTOR

These Complete Street Distributors are brand new (not rebuilt) and feature a high performance rotor, module, 50,000 volt coil, and of course, a Crossfire HEI Supercap.
$209.00 +S&H

manufactured by:
QUEEN'S AUTOMOTIVE inc.

For orders or free catalog:
610-966-4310

Multi-Pass Cross Flow Radiators



- *For superior cooling*
- *1955-57 Big & Small Block Chevys*
- *Custom look and fit*
- *Also available for Chevelles, Camaros & Impalas*

GAS TANK RENU USA AUTHORIZED DEALER

Mattson's RADIATOR, Inc.
10529 Beach, Stanton, CA 90680 **(800) 814-4238**

MasterCard VISA AMERICAN EXPRESS DISCOVER

SPAL®
Electric Fans

- *Large inventory*
- *Low, low prices*
- *6.5" to 16" diameter*
- *Hi performance*

FANMAN™

Over 35 Years Experience

Toll Free **(866) 435-6477** www.the-fan-man.com

FREE* CATALOG!

Listing Parts and Accessories For Your Ford or Mercury

just mention code #RSG

Specify year, make & model of your Ford

Mac's is your one-stop source for quality parts & accessories for 1909-70's Fords & Mercurys.

Toll Free: **877-283-7023**
Outside the US: **(716) 433-1500**
*(Outside the US please send $5.00 each to cover postage)

Please visit our website:
www.macsautoparts.com

Dealer Inquiries Invited

MAC's
Ford Street Rod Parts
"Serving the Ford Restorer since 1978."

1051 Lincoln Ave. • Lockport, NY 14094
Fax: (716) 433-1172

CURVED WINDSHIELDS

Web Site @ www.onepiececurved.com

SAFETY LAMINATED GLASS
NO MODIFICATIONS
D.O.T. Approved AS-1

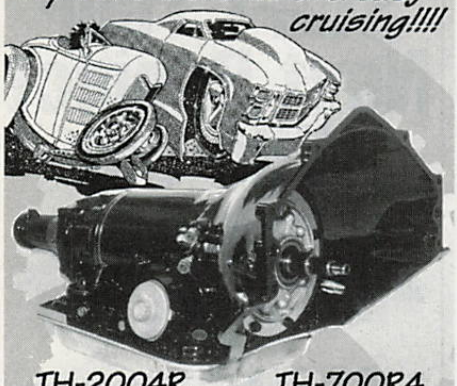
ONE PIECE or V-BUTT®
Complete Satisfaction Guaranteed Or Your Money Back!

Most '37-'64 Ford's, Merc's Chevy's, Oldsmobile's, Pontiac's, Plus Others, For More Info, Call!

'41-'48 Ford & Mercury
Curved Back Glass

Jefferis Hot Rod Auto Body
Order Line: **(800) 807-1937**
Tech Line: **(805) 543-4757**
Fax Line: **(805) 543-3702**
269 Tank Farm Rd., San Luis Obispo, Ca 93401
E-Mail: JefferisHotRod@Juno.com

SHIFT INTO OVERDRIVE
Explosive launches and easy cruising!!!!



TH-2004R, TH-700R4, 4L60E & 4L80E

Custom built to your car's specs and Dyno tested. 4L60E & 700R4 replacement packages available for up to 575HP! 4L80E up to 800HP! High performance trans & converter change over packages and stand alone computer packages also available. Call us or E-mail.

WHEN ONLY THE BEST WILL DO!

Includes converter.
2yr/24,000 mile warranty.
Dealer inquiries welcome.

PHOENIX

PHOENIX TRANSMISSION PRODUCTS
1304 MINERAL WELLS HWY, WEATHERFORD, TX 76086
Order Toll Free 1-866-SHIFT UP
Info 817-599-7680 • FAX 817-599-3161
www.phoenixtrans.com

32-35-36
The Finest Quality Bodies Available!
Virtually No Body Work or Painting Required
Over-Cured No-Odor
10 Year Warranty
Bodies Fit Stock Chassis

Bodies/Chassis & Parts Available
Bodies and Chassis
37 Fenders/Headlights
Standard Height and Chopped - Fenders - Hoods
Roadster Parts - Deck Lids - 4-Types of Tops
Garnish Moldings - 3-Types of Windshields
Rollers start at $14,395.

J.B. Donaldson Co.
(602)278-4505 (www.jbdonaldsonco.com) 2533 w. Cypress St. Phoenix AZ. 85009

Original Style '32 Firewalls Are Back! So Order Now!
Call: 1-800-HOT-ROD-5 or 760-745-1170

Hot Rods & Custom Stuff....

These five-piece construction, all-steel firewalls are stamped, spot-welded and riveted just like the originals, and come without the holes so there's no need to weld over un-used openings.

www.hotrodscustomstuff.com
www.deucesteel.com

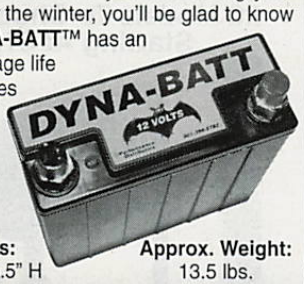
Visit us at:
2324 Vineyard Ave.
Escondido, CA 92029

SEMA MEMBER

DYNA-BATT™
12 VOLTS

Only 13½ Lbs.?

That's right--the engineers at Performance Distributors have developed the DYNA-BATT™, a 13.5 lb. dry cell battery. Lighten up your Street Rod by removing your 40-lb. battery and drop in a DYNA-BATT™. Technology advancements utilized in the DYNA-BATT™ allow this small battery to crank an automotive engine with ease. Very low internal resistance and fast current flow lead to easy starts. This dry cell battery has no liquid or gel. No acid will leak if the battery is cracked in a collision. If you are storing your Street Rod for the winter, you'll be glad to know that the DYNA-BATT™ has an excellent storage life and it recharges very quickly.



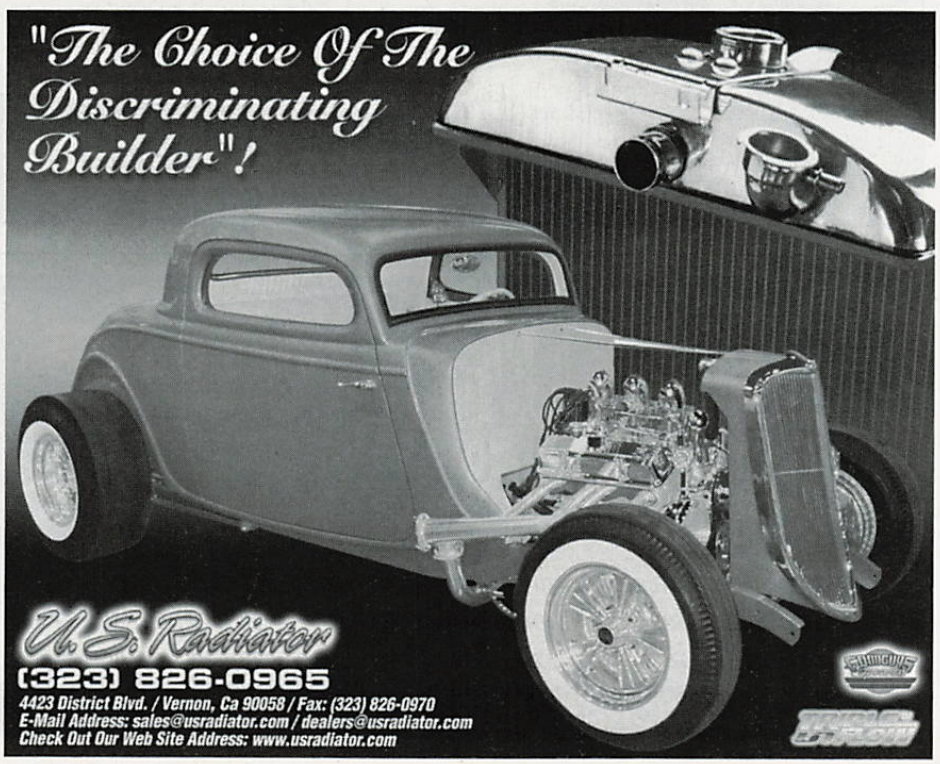
NEW Top-Post Design!

Dimensions: 7" L x 3" W x 6.5" H
Approx. Weight: 13.5 lbs.

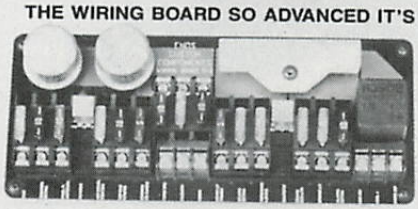
Send $3.00 for Complete Catalog & Prices.
Performance Distributors
2699 Barris Drive-Dept. SR • Memphis, TN 38132
Telephone: (901) 396-5782 • Fax: (901) 396-5783
New Website: www.performancedistributors.com

THANK YOU
FOR YOUR SUPPORT OF OUR ADVERTISERS
STREET RODDER

"The Choice Of The Discriminating Builder"!

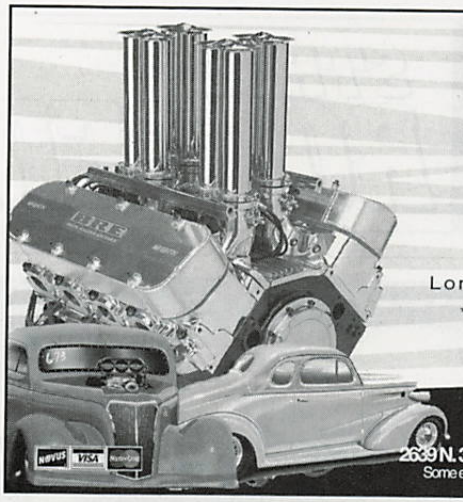


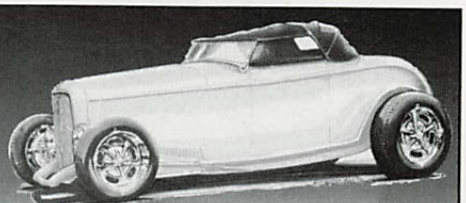
U.S. Radiator
(323) 826-0965
4423 District Blvd. / Vernon, Ca 90058 / Fax: (323) 826-0970
E-Mail Address: sales@usradiator.com / dealers@usradiator.com
Check Out Our Web Site Address: www.usradiator.com

ENOS CUSTOM COMPONENTS
USER FRIENDLY
THE "BLACK BOX"
THE WIRING BOARD SO ADVANCED IT'S SIMPLE!

• 15 FUSES
• 3.75" x 9"
• COVER
• HARDWARE
• MOUNTING PLATE
• DIAGRAMS & INSTRUCTIONS
• ALL CONNECTIONS MADE ON ONE SIDE • 375 AMP FUSE BLOCK

LABELED WIRE SETS
CONNECTORS • SWITCHES
ALTERNATORS
STARTERS
PULLEY SETS • BRACKETS
DOOR LATCHES
DISTRIBUTORS
WATER PUMPS
BATTERY CABLE
PLUS MORE!!!
FREE BROCHURE
COMPLETE CATALOG $4.00
805-544-8503
840-A CAPITOLIO WAY
SAN LUIS OBISPO
CALIFORNIA 93401

"Better Performance For A Lot Less Money!"
LIZARDSKIN®
Ceramic Insulation
Amazing Spray-on Coating Provides Outstanding Thermal, Acoustic & Corrosion Protection for your Street Rod, Race Car, Truck, Van & RV.
RESEARCH www.LizardSkin.com
ORDER 877-278-9468 for a dealer near you
BE COOL!
Stop Heat.
Stop Noise.
Stop Rust.
Save Money.


BRE®
BECK RACING ENGINES
beckracingengines.com
From Your Daily Driver to Your Weekend Warrior
Over 100 Dyno Proven Packages
Most run on pump gas
Long Blocks and Turn-Key Chevy Engines
*30 & 60 Month Warranties Available
*Free Shipping
*CALL FOR DETAILS
602-477-1700
2639 N. 33rd Ave. Phoenix, AZ 85009 • Fax 602-477-1704 © BRE 2005
Some engines not legal for sale or use in California on any pollution controlled motor vehicles

ALUMICRAFT
STREET ROD GRILLES

Road Tour Grille Supplier!
'32-'37 CHEVY CAR
'33-'36 DODGE CAR
'33-'37 DODGE TRUCK
'32-'37 FORD CAR
'33-'37 FORD TRUCK
'39 DLX-'40 STD FORD
'40-'41 FORD TRUCK
'32 PB-'36 PLYMOUTH
'39 COAST TO COAST SPEEDSTARS
'34 STREET BEASTS
'33, '40-'41 WILLYS
www.ALUMICRAFT.com
814.742.7405

WESCOTT'S 1954 2004 50 ANNIVERSARY
Start Your Next Project With Us!

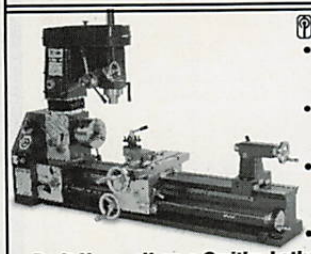
• 15 BODY STYLES incl. 32 Coupe
• FIBERGLASS w/ STEEL CAGE
• DOORS, DECK LID factory installed
• MANY OPTIONS to create your own custom
• FENDER PACKAGES & more, all models
• QUALITY CONSTRUCTION, the buider s choice
Wescott's BODIES
FOR FORDS 1926-40
1-800-523-6279
Catalog $10 or download free
wescottsauto.com
Wescott's Auto
19701 SE HWY 212
Boring, OR 97009

STOP CRAWLING ON THE FLOOR!!!

SR-7H
Get A Lift!!!
20 Models To Choose From
Starting At $1,895
SUPERIOR LIFTS

S-9A
FREE Catalog
www.SUPERLIFTS.com
1.800.218.7036

OWN A MACHINE SHOP



Smithy®
- **Easy to use** – No experience required.
- **Versatile** – Fix or make almost anything.
- **Affordalbe**-- 7 models starting at $995.
- **CNC Compatible**

Do It Yourself on a Smithy Lathe•Mill•Drill!

"I can fix 'most anything. I don't know how I lived without my Smithy. It paid for itself in no time."

GUARANTEED To pay for itself!

FREE! Info Kit Call Today!

1-800-476-4849 Ext.SR

Or Visit us at www.smithy.com

HIDDEN AUDIO *from*

lets - go - cruise

Hidden Audio AM-FM-CD Systems From $199.95

- Mounts anywhere in your car, at any angle
- Operates by remote control, even when radio is completely hidden from view
- Holds radio station presets when your battery is disconnected for storage
- AM-FM single CD, and 10 disc CD Changer systems available

Online catalog at: www.lets-go-cruise.com

866 415-5559 • 151 MacCorkle Avenue, South Charleston WV 25303

All Smoothie Fabrication running boards are fabricated from 16 Ga. cold roll steel. Our boards bolt to your original brackets and fit like original equiptment. REAL SMOOTH!

We have running boards for most popular applications in stock and we can custom form boards upon request for cars with widened fenders or other applications.

Chevy • Dodge • Ford • Plymouth

TOLL FREE 877-218-1937

Fax (704) 736-1459

www.smoothiefabrication.com

STEEL RUNNING BOARDS

P.O. Box 387 • Iron Station, NC 28080

ADJUSTABLE COILOVER SHOCKS $105.00 each
WITH COIL SPRING

★ *SPECIAL OFFER* ★

4 Coilover Shocks and Springs rated to deliver smooth ride and good handling on "T" Buckets and similiar light weight rods

$400.00

We also have a complete line of Coils for your special needs from 90 to 500 lb. rates.

★ **COILOVER "T" BUCKET CHASSIS KITS $1295.00**

KIT INCLUDES:
- Chassis materials and patterns
- All mounting plates for front and rear suspension
- 4 Coilover Shocks and Springs
- Front and rear radius rod assembly kits with rod ends and clevises
- Steering mounts
- Engine mounts
- Complete Chassis and Suspension Assembly Plans

★ We also build partial or complete cars

• **LINDBLAD CHASSIS** • **2194 Providence Road Northbridge, MA 01534** • **(508) 234-8283** •

STAINLESS STEEL FASTENERS

Take Pride In Your Ride!

SAMMY SOCKET HEAD

•SHOW QUALITY POLISH • NO MINIMUM ORDER
• SOCKET • BUTTON • HEX • 12PT • AMERICAN & METRIC
FOR A CATALOG, SEND $3.00 TO: (CREDITED ON YOUR FIRST ORDER)

SOUTH COAST STAINLESS

2968 London Bridge Rd., Dept. SR, Lake Havasu City, AZ 86403

Phone / Fax **928-680-1151**

www.southcoaststainless.com

OUTLAW RAGZ ARE YOU AN OUTLAW?

All items available with Outlaw Chevy, Ford, or Willys logo. Mens, ladies and kids sizes. For more info, ✓out our new RAGZ site at:

outlawrods.com

OUTLAW PERFORMANCE

P.O. Box 550 • Avonmore, PA 15618 • (800) 763-3334

P-Ayr

Lightweight Full Scale Replicas

*Engines *Transmissions *Accessories*

THOUSANDS in use for:
- chassis setup
- store displays-trade shows
- teaching-demonstrations
- theaters-movies-special FX

P-Ayr Products ***Order Line (800) 322 3285***
719 Delaware ***Fax Line (913) 651 2084***
Leavenworth, Ks 66048 ***E-mail sales@payr.com***

Browse our products ONLINE at www.payr.com

FREE SHIPPING NO HANDLING CHARGES

Edelbrock

We are a stocking, full line authorized Edelbrock dealer. Visit our easy to use web site or talk to our knowledgeable Edelbrock specialists.

Shop AJ-USA for everyday low prices and free shipping.

Direct Source Outlet

AJ USA since 1976

AJ-USA, Inc.
6620 Mira Mesa Blvd. 800-877-1911
San Diego, CA 92121 858-452-8900

www.ajusa.com/sr

VISIT OUR WEB SITE

http:/www.streetrodderweb.com
http:/www.streetrodderweb.com
http:/www.streetrodderweb.com
http:/www.streetrodderweb.com
http:/www.streetrodderweb.com
http:/www.streetrodderweb.com
http:/www.streetrodderweb.com

STREET RODDER

Get Serious, Get-
HYPER FLEX™
Performance Polyurethane!
Energy Suspension's Performance Polyurethane Suspension Components & Mounts: improves Handling thru curves, Traction during fast launches and Control- when your vehicle really needs it!
For improved handling and control–18 sizes of Greaseable Sway Bar Bushing Sets and 10 sizes of Sway Bar End Link Sets available.
Greaseable Sway Bar Components
Patented interlocking designs controls torque–Chrome Motor & Transmission Mount Sets- #3.1133 fits many early GM small blocks, #3.1134 fits many early GM big blocks.
Performance Motor and Transmission Mount Sets
HYPER-FLEX SYSTEM™ Complete Master Bushings Sets
One part number to replace all major components- #3.18121 for '55-67 Chevy hardtops & sedans, #3.18123 for '63-82 Corvettes; many more available.
Both universal fit and vehicle specific complete HYPER-FLEX™ Master Bushing Sets and individual components are available for popular cars, trucks and SUVs. In red or black.
You Deserve Only The Best, From The First... The Only Name To Use– If You're Serious About Performance!
Get our 72 page color catalog- $5.00. Includes FREE sway bar gauge!
CATALOG
ENERGY SUSPENSION
JOIN THE REVOLUTION!
Made in America
WORLD'S LARGEST MANUFACTURER OF PERFORMANCE POLYURETHANE SUSPENSION COMPONENTS
1131 Via Callejon, San Clemente, CA
92673-6230 (949)361-3935
www.energysuspension.com

ADVERTISER INDEX

A.C.I ENGINEERING 241
ACTIVE POWER 234
AERO FIBERGLASS COMPANY 234
AIR RIDE TECHNOLOGIES 140
AJ USA 239
ALAN GROVE COMPONENTS 220
ALDAN SHOCKS 207
ALUMICRAFT 238
AMERICAN AUTOWIRE 113
AMERICAN STAMPING 241
ARMOR ALL PRODUCTS CORP. 61
AUTO AIR COLORS 223
AUTO LOC 55,77,98,99,100,101,102,103,223
B & M RACING PERFORMANCE 6
BACKYARD BUDDY CORPORATION 135
BARRY WHITE'S STREET ROD 138
BECK RACING ENGINES 238
BIG AL'S CARPONENTS 171
BILLET SPECIALTIES C2,5
BILL'S HOT ROD CO 241
BILSTEIN 227
BITCHIN PRODUCTS 159
BORGESON UNIVERSAL COMPANY 19
BRASSWORKS, THE 221
BROOKVILLE ROADSTERS 129
CALIFORNIA CAR COVERS C4
CARLISLE TIRE & WHEEL 207
CAROLINA CUSTOM HOT ROD PARTS 179
CHASSIS ENGINEERING/IOWA 152
CHASSISWORKS INC 197
CHEV'S OF THE 40'S 149
CLASSIC AUTO AIR MFG CO 212
CLASSIC PERFORMANCE PRODUCTS 133
CLASSIC STREET RODS MFG 199
CLASSIC TUBE 226
CLEAN TOOLS 4-95
COKER TIRE 229
COMPETITION CAMS, INC. 113
CONTROL CABLES, INC. 174
COOL CRAFT 237
COOLING COMPONENTS 198
CUSTOM AUTOSOUND 235
CUSTOM ROD GAUGES 217
DAKOTA DIGITAL 242-C3
DAN FINK METALWORKS 65
DEMON CARBURETION/BARRY GRANT 111
DAYTON WHEEL CONCEPTS INC 227
DENNYS DRIVE SHAFT SERVICE 241
DEUCE FACTORY, THE 199
DIRECT-LIFT 227
DIRECT SHEET METAL 241
DOLPHIN GAUGES 23
DON'S HOT ROD SHOP 200
DON'S HOT RODS 230
DOWNS MANUFACTURING 45
DUPONT PERFORMANCE COATINGS 155
E-Z WIRING 11
E3 SPARK PLUGS 107
EAGLE EQUIPMENT 217
EDELBROCK CORP 71
ENERGY SUSPENSION 240
ENGINEERED COMPONENTS, INC. 119
ENOS CUSTOM COMPONENTS 238
ET/TEAM III WHEELS 234
FAST 230
FAST LANE SPEED & ROD SHOP 241
FATMAN FABRICATIONS 164-165
FLAMING ENGRAVING 209
FLAMING RIVER INDUSTRIES,INC. 41
FLATHEAD JACK 182
FLEX-A-LITE CONSOLIDATED 142
FLOWMASTER 107
FORD RACING PERFORMANCE PARTS 24-25
GEAR STAR AMERICAN PERFORMANCE TRANSMISSIONS,INC. 107
GLASS HOUSE, THE 235
GLIDE ENGINEERING 211
GM PERFORMANCE PARTS 35
GODMAN HI-PERFORMANCE 137
GOODGUYS ROD & CUSTOM ASSN. 123
GOTTA SHOW 221
HAGAN STREET RODS 131
HARTRODS, INC. 232
HATFIELD RESTORATION 233
HEADWINDS CYCLE 232
HEIDTS HOT ROD SHOP 66,67,121,177,204,205
HERITAGE HOT RODS LLC 221
HGM AUTOMOTIVE 220
HOT HEADS RESEARCH RACING INC 231
HOT ROD AIR, INC. 232
HOT ROD LIBRARY 211
HOT RODS & CUSTOM STUFF 237
HOT RODS HORSEPOWER 105
HOTRONICS 157
HOUSE OF KOLOR/VALSPAR 105
HTP AMERICA,INC. 196
HYDE PRODUCTS, INC. 241
I & I REPRODUCTIONS 209
IDIDIT, INC. 153
INLAND EMPIRE DRIVELINE 236
INLINE TUBE 231
INTRO CUSTOM WHEELS 139
IT'S A SNAP WIRE & CABLE 115
J.B. DONALDSON 237
J B MICROFINISH 231
JAMES J DURANT ENTERPRISES 201
JEFFERIS AUTOBODY 236
JEG'S MAIL ORDER 85
JEN E DISTRIBUTING CO 163
JIM WEIMER ROD GARAGE 151
JOHNSON'S HOT ROD SHOP 208
J.P.L. 83
JULIANO'S INTERIOR PRODS 189
K & N ENGINEERING 4
K.C. ST ROD PARTS 181
KUGELS KOMPONENTS 192
KRIST KUSTOMS 241
KWIK LIFT 215
LAMBERT ENTERPRISES 219
LECARRA, INC. 190
LET'S GO CRUISE 239
LIMEWORKS 173
LINDBLAD CHASSIS 239
LIZARD SKIN 238
LOKAR, INC. 37
MAC'S ANTIQUE AUTO PARTS 236
MARADYNE HIGH PERFORMANCE FANS 229
MARCH PERFORMANCE PULLEYS 30
MAS PERFORMANCE RACING ENGINES 219
MAS RACING PRODUCTS 202
MASTER POWER BRAKES 50-51
MATTSON'S RADIATOR, INC. 236
MAVAL MANUFACTURING 191
MB MARKETING & MANUFACTURING 211
MB MARKETING & MANUFACTURING 223
MCLEOD INDUSTRIES 220
METALACE 218
MNM DESIGN 241
MOBIL OIL 12-13
MOON EYES 231
MOTHERS POLISH CO. 28,29
MR. GASKET 117
NAISER RACING COMPONENTS 233
NATIONAL STREET ROD ASSOCIATION 91
NEVER-RUST EXHAUST 241
NORDSKOG PERFORMANCE PRODUCTS 144
NU-RELICS POWER WINDOWS 234
OLD DOG STREET RODS 145
OUTLAW PERFORMANCE, INC. 239
P AYR PRODUCTS 239
PACIFIC WESTERN DESIGN 233
PARR AUTOMOTIVE 187
PERFORMANCE AUTOMOTIVE WHSE 75
PERFORMANCE DISTRIBUTORS 237
PERTRONIX 218
PHIPPS ROD CUSTOM ACCESSORIES, INC. 127
PHOENIX TRANSMISSION PRODUCTS 237
PIMP STIXXX 235
POSIES 217
PPG INDUSTRIES 17
PROFESSIONAL PRODUCTS 219
PRO SHOCKS 172
PRO'S PICK 216
PURE CHOICE 221
QA1 MOTORSPORTS 116
QUEEN'S AUTOMOTIVE 236
RANDY'S RING PINION 230
RATS GLASS 120
RBS OBSOLETE AUTOMOTIVE 141
REDD MACHINING 230
RED LINE SYNTHETIC OIL 40
RELICS RODS 215
REWARDER HEADERS INC. 231
ROADSTER SHOP, THE 27
ROCK VALLEY ANTIQUE AUTO PARTS 143
ROCKY HINGE COMPANY 195
ROD PARTS WAREHOUSE 193
RON FRANCIS WIRING 233
ROOTLIEB, INC. 234
RUSH PERFORMANCE FILTERS/BARRY GRANT 110
S.A.C HOT ROD PRODUCTS 235
SACHSE ROD SHOP 218
SANDERSON HEADERS 31
SEARS CRAFTSMAN 15
SMEDING PERFORMANCE AND MACHINE SHOP 229
SMITHY CO. 239
SMOOTHIE FABRICATION 239
SOUTH COAST STAINLESS 239
SOUTHERN AIR 125
SOUTHERN RODS PARTS 7,175
SPECIALTIE STUFF 167
SPECIALTY POWER WINDOWS 163
SPEEDWAY MOTORS 154
STAINLESS SPECIALTIES 118
STAINLESS STEEL BRAKES 97,161
STREET BEASTS 197
STREET ROD ENGINEERING 203
STREET ROD GLASS 235
SUMMIT RACING EQUIPMENT 89
SUPER BELL AXLE 232
SUPERIOR EQUIPMENT 238
SUPERIOR GLASS WORKS 176
TANKS, INC. 21
TCI AUTOMOTIVE 230
TOTAL COST INVOLVED 47
THERMO TEC 232
TOTAL PERFORMANCE 49
TP TOOLS EQUIPMENT 180
TPI INSTRUMENTS 39
VINTAGE AIR 184
VISION HOT ROD CONCEPTS 233
WALKER RADIATOR WORKS 57
WATSON'S STREETWORKS 169
WESCOTT'S AUTO RESTYLING 238
WHEEL VINTIQUE 97
WORLD PRODUCTS 84
YEARWOOD SPEED & CUSTOM 32,33
YOGIS STREET ROD ACCESSORIES 83
ZOOPS PRODUCTS 185

The Advertiser Index is provided as a service to STREET RODDER Magazine Readers.

STREET RODDER Magazine is not responsible for omissions or for typographical errors in names or page numbers.

DENNY'S Driveshafts

ALUMINUM & STEEL

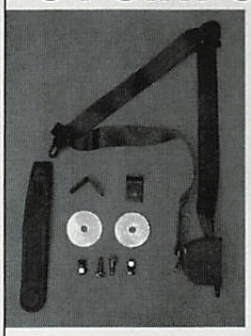
www.dennysdriveshaft.com

Questions & Tech 716-875-6640
Orders ONLY 800-955-1872

- *Custom built to fit your application*
- *Strong, high speed balanced & tested*
- *If you can possibly twist our tubing or break our welds...we'll replace it FREE*

GEM Street Rod Products Presents

3-POINT SEAT BELTS



SIX COLORS TO CHOOSE
HARDWARE INCLUDED
S.A.E. & Federal Standards
Hard or Soft Buckles
Webbing Samples Available
Top Quality Materials
Three Types of Lap Belts
Two Retractable Lap Belts

PRICED FROM:
3 Pt. Retract $56.95
2 Pt. Retract $35.95
2 Pt. Lap $12.95

1.800.588.BELT
WWW.GEMSTREETRODS.COM
793 E San Bernardino Road Covina Ca 91723

STAINLESS STEEL EXHAUST SYSTEMS

NEVER-RUST Inc.

STAINLESS BAFFLED MUFFLERS
$79.00 EACH

ALSO AVAILABLE
CLAMPS, HANGERS, TIPS & TUBING

All components manufactured from 304 Non-Magnetic Stainless Steel

VISA 4279 Ohio River Blvd. MasterCard
Pittsburgh, PA 15202
Orders Only: 1-800-487-7775 • 412-766-7775
www.never-rust.com

---

brackets

designed for simplicity

alternator, air conditioner and power steering brackets for the small and big block chevys

free catalog
626.332.1915
Bill's Hot Rod Company
1064 East Edna Place
Covina, CA 91724

BILL'S HOT ROD

Torque it to the limit. . .

Cad 500" Engines & Parts !

™

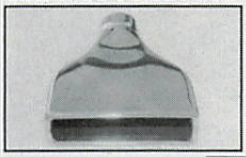
Originators of performance parts for the Cadillac 500"/472"/425" since 1984

Complete Engines • Cylinder Head Porting
Performance Cam Kits • Stainless Valves
Swap Kits • Specialty Oilpans • Roller Rockers
Steel Billet Rods • Stroker Kits • 10:1(!) Cast Pistons
We remain the innovators—new parts added monthly

Cad Company
8333 Jefferson, N.E.
Albuquerque, NM 87113
***or call* (505) 823-9340**
Or visit us on the web:
www.cad500parts.com
Catalogs $5.00—Visa, MC, AmEx, & Discover Cards Welcome

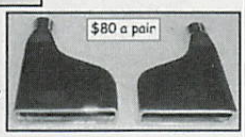
STAINLESS STEEL

EXHAUST PRODUCTS BY MNM DESIGN



New Camaro Style Tip
$85 a pair
Center Inlet With
2 1/4 or 2 3/4 Inlet
2x8 Outlet

1999 Z28 Tips in polished stainless. We have developed the right side. The factory only has the left side.



All products are polished 304 B stainless.
No Chrome finishes.
For a free catalog and price list call:
510-352-3590 or fax 510-352-3599
703 Castro St., San Leandro, CA 94577

ASC

'32-34 Ford One Piece Die Stamped Frame Rails

$659.00 per pair, FOB
Made in USA

For more information see your street rod supplier or contact American Stamping Corp., Olive Branch, Mississippi.

MasterCard 662-895-5300 VISA

FAST LANE

SPEED & ROD SHOP L.L.C.

Jack32@kc.rr.com
www.fastlanespeedandrodshop.com
816.545.4747

American Racing

UP TO **25%** OFF RETAIL

CHEVY RALLYE CHROME & SILVER $25 OVER COST

FREE SHIPPING!

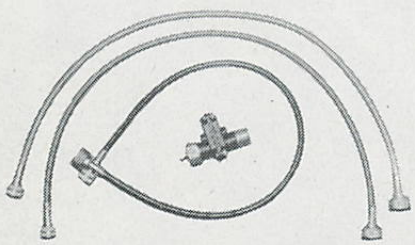
KRIST KUSTOMS

THE NEW ***STREAMLINE*** *BUCKET SEAT*

FEATURES:
PROPER THIGH AND LOWER BACK SUPPORT
AVAILABLE BILLET ALUMINUM RECLINER HANDLE
FORM FITTING SIDE BOLSTERS
HIDDEN HINGES AND NO UNSIGHTLY PLASTIC PIECES

FOR MORE INFORMATION, CALL OR LOG ON TO OUR WEBSITE **260-749-7193**
www.kristkustoms.com

CUSTOM MADE SPEEDOMETER CABLES



Available in any length. Stainless, gold and black plastic.
RATIO ADAPTERS: Corrects your car's speedometer back to where it should read when different rear end ratios and tire sizes are used.

A.C.I. Engineering, Inc.
6728 Lover's Lane • Portage, MI 49002
(269) 327-1991

FOR PASSENGER CARS & PICK-UPS

DIRECT SHEETMETAL

FOR FORDS, CHEVYS, & WILLYS.

Tranny Covers, Wheel Tubs, Battery Boxes, plus many other misc. parts for 28-51 Ford Pass. Cars & 28-56 Ford P/U's; 37-42 Willys; 35-52 & 55-57 Chevy Pass. Cars; 37-40, 47-59, 60-72 Chevy P/U's.

ORDERS: 1-800-992-2925
TECH & INFO: 619-588-2925
PO BOX 2477 • EL CAJON, CA 92021
www.directsheetmetal.net

The Hood Holder for
37, 38 STD, 39, 40, 41, 46, 47, 48 FORDS, 40-41 FORD Pick-ups, 39-48 Mercury

THE ORIGINAL!
40 - 41, 46-48 CHEVYS
46 - 54 CHEVY Pick-ups

Neat looking; bolts up; - no drilling or tapping; easy to install; telescopic tube "stainless steel construction" lift hood, then twist to lock or unlock.

For more info, see our website:
www.hydeprod.com
Price **$98.00** plus S&H-Continental U.S.

HYDE PRODUCTS, INC.
P.O. Box 870321, N.O., LA 70187-0321
1-985-649-4041

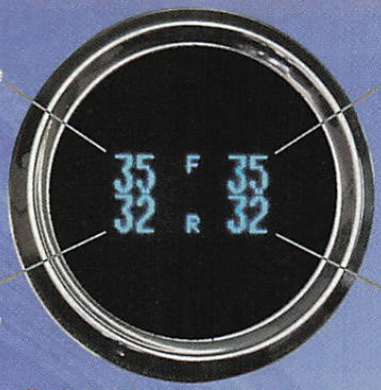
90 Day Money Back Guarantee

Email: hydeprod@bellsouth.net

TIRE PRESSURE MONITORING

Left front tire pressure

Displays tire temperature with the push of a button.



Right front tire pressure

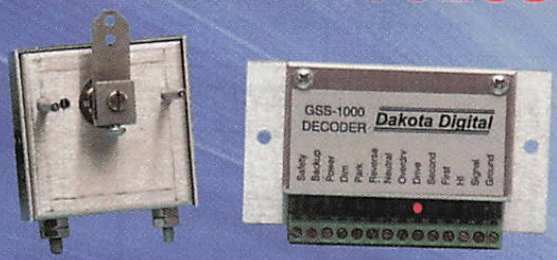
Protect valuable rims and tires from damage!

Left rear tire pressure

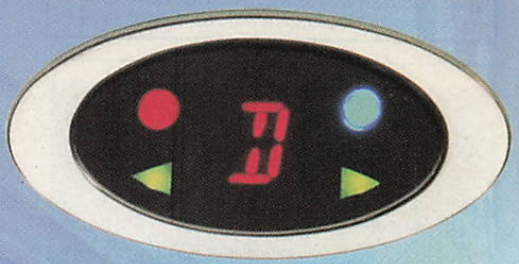
Right rear tire pressure

ELECTRONIC ACCESSORIES

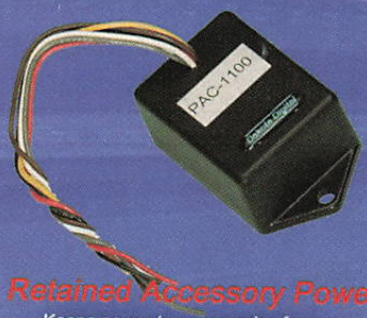
DGS-3 Gear Indicator
Includes turn signal, high beam, and warning indicator.



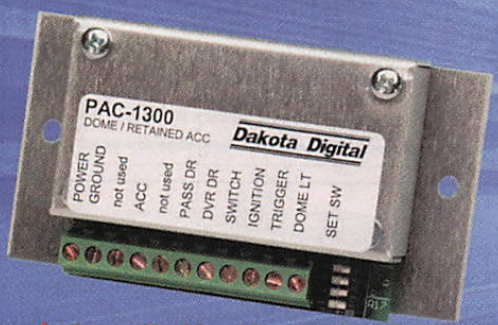
GSS-1000 Universal Gear Shift Sender
Works with all automatic transmissions! Use with all DGS indicators or those built into all Dakota Digital instrumentation systems!



DGS-4 Gear Indicator
matches new ION design. Includes turn signal, high beam, and warning indicator.



Retained Accessory Power
Keeps power to accessories for up to 20 minutes after vehicle is turned off or until door is opened.



Automatic Headlamp Controller
Headlights on at dusk, off at dawn, automatically. Also has fade on / fade off dome light control and retained accessory power.

Programmable Fan Controller
Programmable fan on and fan off temp. Works alone or with virtually any gauge, analog or digital.

REMOTE ENTRY SYSTEMS

From 4 channel / 4 button operation to 6 button transmitters controlling up to 10 functions!

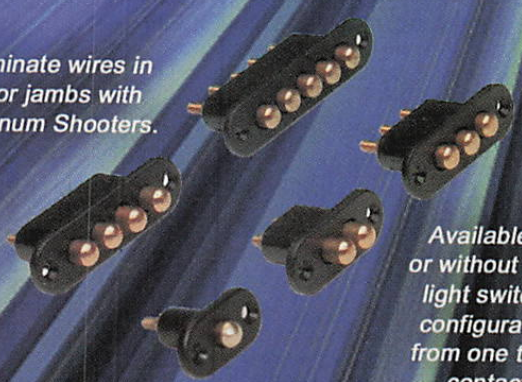
Upgrade to more POWER!
High power 35 pound solenoid.

Electric Servo Cruise Control
Use alone or with digital instrumentation. No vacuum required. Exceptional accuracy and reliability. Complete with choice of handle.

LINEAR ACTUATORS

110 lbs of pulling or pushing force. Available in 6", 8", and 10" lengths. Built in limit switch. Complete with machined aluminum mounting brackets, control switch, and wiring harness.

Eliminate wires in door jambs with Magnum Shooters.



Available with or without dome light switch in configurations from one to five contacts.

visit www.dakotadigital.com/sr

DIGITAL INSTRUMENTATION

ION SERIES

NEW

ODYSSEY Series II available in black or chrome.

Industry Standard 3-3/8" and 2-1/16" diameter mounting!

Sleek modern styling!

Choice of brushed or chrome bezel.

RET-2000

Also available w/o spears.

RET-2001

RetroTech information systems - a reawakening of the retro artistry of the past, coupled with the cutting edge technology of today.

VFD3X-1002B

Dot matrix information center displays odometer, trip meter, gear indicator (with optional sender) and new features including performance analysis calculations, memory recalls, and menu driven setups.

AIR SUSPENSION INSTRUMENTATION

QUAD PRESSURE GAUGE WITH CONTROL

Integrated joystick switch provides full control of air bag inflation and dump valves. No more bulky rocker switches.

DHC-2000 Digital Ride Height Controller uses vehicle height sensors to monitor and control vehicle height.

Three user selectable ride levels
Optional remote control

"Auto Raise" at key on
Full manual override

Programmable for slower & faster systems

LEFT - RIGHT SELECT BAG

UP - DOWN CHANGE BAG PRESSURE

SR35

or call **1-888-852-3228** for more information!

Dakota Digital

4510 W. 61st St. North, Sioux Falls, SD 57107

THE WORLD'S SOFTEST CUSTOM FIT CAR COVERS

AS LOW AS $89.99

- **SUPERIOR FIT** We have the most patterns in the industry; and if we don't have one for your particular car or truck, we'll make it!
- **GUARANTEED SOFTNESS** We guarantee all covers for life never to scratch your car.
- **WATER REPELLENCY** All covers are water repellent while retaining "breathability."
- **BEST WARRANTY** Covers come with 2-4 year warranties on materials and workmanship.

PERSONALIZE IT!
Add a personal touch to your cover with our custom embroidery. Name, Initials, License Number, Car Club, Whatever! Our embroidery department will provide you with great service and quality workmanship. Starts at **$20.00** for up to seven characters. Call for embroidery information on other items.

STORE IT!
Complete your purchase with a convenient storage bag for your car cover. **$5.00**

LOCK IT!
Cable lock for extra security and protection. **$10.00**

MULTI-COLORED SUPERWEAVE
The premiere outdoor fabric, available in 8 different colors. Choose from black, bright blue, sky blue, green, red, yellow, grey and taupe. Two tone covers available for an additional charge. Single color priced from $224.99-Multi-color priced from $279.99

CALIFORNIA CUSTOMWEAVE
Polyester knit combined with Lycra/ Spandex provides the ultimate contoured fit. Cover has a 100% cotton terry loop inside to guarantee soft protection. Priced from $289.99.

MULTIWEAVE II
Lightweight, durable cover made of "Multi-bond," a 3-layer synthetic fabric from Kimberly-Clark. Easy to handle. Custom-fit. Priced from $89.99

DUSTOP
Provides the cushioning advantages of a flannel cover while shielding your car from dust. Half the weight of flannel. Priced from $149.99

STORMWEAVE
Made of Kimberly-Clark "Evolution 4," a durable 4-layer synthetic fabric for harsh, wet and windy climates. Available in Grey, Tan and Blue. Priced from $139.99

SUPREMEWEAVE
Luxurious cotton softness combined with excellent protection from the elements. Highly water and dust resistant, it is breathable and machine washable. Not recommended for extended outdoor use. Priced from $349.99

SOFTWEAVE
This 100% soft cotton fabric is treated for water repellency, and is available in either grey, red or black. Priced from $129.99.

PLUSHWEAVE NEW!
We've taken our 100% cotton cover and added a pure cotton flannel lining for true paint-pampering. Treated for water repellency and is available in grey or black. Priced from $139.99

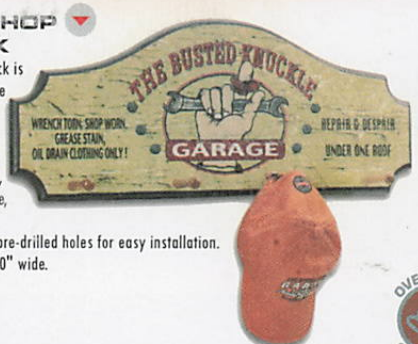
NOAH
This amazing 3-layer material is virtually weatherproof has a soft, inner layer for the "soft touch" to protect delicate paint. Priced from $159.99

ALUMINUM SIGN
A vibrant embossed finish on brushed aluminum makes this perfect to hang in the garage or workshop. Comes complete with pre-drilled holes for easy wall mounting and measures 20"(L) x 6"(H).
(BKG78) $14.99

QUIK SHADE "SHORTY" CANOPY
Specially designed to fit in the trunk of most Street rods, the "Shorty" measures only 46¼" when folded. Features the patented ball bearing system on all the eaves and roof joints making it easier to set-up and take down. Available in either an aluminum or steel 10'x10' white frame, with an anti-rust powder coated finish. The 300-D top includes an aluminum lining for superior weather protection, and is available in blue or red. Includes 4-anchoring stakes and roller bag..
Steel $179.99
Aluminum $269.99

OVERSIZED
OVERSIZED
QUIK SHADE
INSTANT CANOPY
NOW INCLUDE BALL BEARINGS ON ALL EAVES AND ROOF JOINTS
"Shorty" 10' x 10' open 46 1/4" closed
Standard Full Size 10' x 10' open 60"closed

WOODEN SHOP COAT RACK
Our vintage style coat-rack is made from 1/4" solid pine that has been custom treated for that true "weathered" appearance. Handsome and functional, it is perfect for the garage, shop or den. Includes 4 pegs for clothing, with pre-drilled holes for easy installation. Measures 11½" tall and 30" wide.
(BKG27) $79.99



HI-BACK COUNTER STOOLS
Original counter stool with a backrest for comfort. Emblems on cushion and both sides of the backrest. Many styles available.
(RW425) Shown $139.99

COUNTER STOOLS
30" high counter stool with swivel base. Features chrome plated legs and a vinyl cushion. Many styles available. **Priced from $99.99**
(RB160) Chevy Stool shown

THE ORIGINAL CALIFORNIA CAR DUSTER®
Dusters have baked-in paraffin wax-treated cotton strands that "lift" dust without scratching paint. The dirtier it gets, the better it works. Complete with carrying case.
Original Duster (62442) $19.99 • Mini Duster (62447-8B) $8.99
Both Only (62442-7) $24.99

DETAILER Series

CALIFORNIA WATER BLADE®
Wipes water off in one pass. Dries a car 3-times faster than a chamois or towels. Made of medical-grade silicone, so it won't scratch!
(20002) $19.99

HUNDREDS OF OTHER GREAT PRODUCTS! ALL LISTED IN OUR 88-PAGE 2005 CATALOG, YOURS FREE !

CALIFORNIA Car Cover Co.

ORDER TOLL-FREE AT 800-423-5525
Fax 818-998-2442
9525 DeSoto Ave. Chatsworth, CA 91311

ORDER ONLINE AT www.calcarcover.com

Add $12.99 for shipping and handling per cover. Air freight available, call f details. CA residents add 8.25% sales tax. PA residents add 6% sales to